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Code of Federal Regulations

9

Parts 1 to 199
Revised as of January 1, 2000

Animals and Animal Products

Containing a Codification of documents of general applicability and future effect

As of January 1, 2000

With Ancillaries

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Cite this Code: CFR

To cite the regulations in this volume use title, part and section number. Thus, 9 CFR 1.1 *refers to title 9, part 1, section 1.*

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Each volume of the Code is revised at least once each calendar year and issued on a quarterly basis approximately as follows:

Title 1 through Title 16.....as of January 1
Title 17 through Title 27.....as of April 1
Title 28 through Title 41.....as of July 1
Title 42 through Title 50.....as of October 1

The appropriate revision date is printed on the cover of each volume.

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RAYMOND A. MOSLEY,
Director,
Office of the Federal Register.

January 1, 2000.

THIS TITLE

Title 9—ANIMALS AND ANIMAL PRODUCTS is composed of two volumes. The first volume contains chapter I—Animal and Plant Health Inspection Service, Department of Agriculture (parts 1–199). The second volume contains chapter II—Packers and Stockyards Administration, Department of Agriculture and chapter III—Food Safety and Inspection Service, Department of Agriculture (part 200–End). The contents of these volumes represent all current regulations codified under this title of the CFR as of January 1, 2000.

For this volume, Jonn V. Lilyea was Chief Editor. The Code of Federal Regulations publication program is under the direction of Frances D. McDonald, assisted by Alomha S. Morris.

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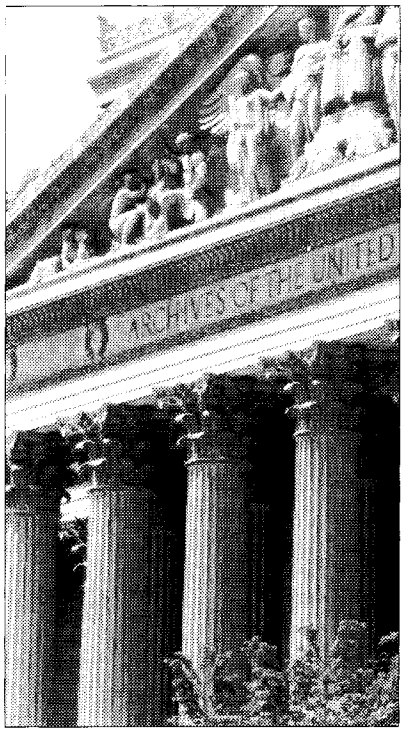

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Title 9—Animals and Animal Products

(This book contains parts 1 to 199)

EDITORIAL NOTE: Other regulations issued by the Department of Agriculture appear in title 7, title 36, chapter II, and title 41, chapter 4.

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CHAPTER I—ANIMAL AND PLANT HEALTH INSPECTION SERVICE, DEPARTMENT OF AGRICULTURE

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SUBCHAPTER A—ANIMAL WELFARE

PART 1—DEFINITION OF TERMS

AUTHORITY: 7 U.S.C. 2131–2159; 7 CFR 2.22, 2.80, and 371.2(g).

§ 1.1 Definitions.

For the purposes of this subchapter, unless the context otherwise requires, the following terms shall have the meanings assigned to them in this section. The singular form shall also signify the plural and the masculine form shall also signify the feminine. Words undefined in the following paragraphs shall have the meaning attributed to them in general usage as reflected by definitions in a standard dictionary.

AC Regional Director means a veterinarian or his designee, employed by APHIS, who is assigned by the Administrator to supervise and perform the official work of APHIS in a given State or States. As used in part 2 of this subchapter, the AC Regional Director shall be deemed to be the person in charge of the official work of APHIS in the State in which the dealer, exhibitor, research facility, intermediate handler, carrier, or operator of an auction sale has his principal place of business.

Act means the Act of August 24, 1966 (Pub. L. 89–544), (commonly known as the Laboratory Animal Welfare Act), as amended by the Act of December 24, 1970 (Pub. L. 91–579), (the Animal Welfare Act of 1970), the Act of April 22, 1976 (Pub. L. 94–279), (the Animal Welfare Act of 1976), and the Act of December 23, 1985 (Pub. L. 99–198), (the Food Security Act of 1985), and as it may be subsequently amended.

Activity means, for purposes of part 2, subpart C of this subchapter, those elements of research, testing, or teaching procedures that involve the care and use of animals.

Administrative unit means the organizational or management unit at the departmental level of a research facility.

Administrator means the Administrator of the Animal and Plant Health Inspection Service, U.S. Department of Agriculture, or any other official of the Animal and Plant Health Inspection Service to whom authority has been delegated to act in his stead.

Ambient temperature means the air temperature surrounding the animal.

Animal means any live or dead dog, cat, nonhuman primate, guinea pig, hamster, rabbit, or any other warm-blooded animal, which is being used, or is intended for use for research, teaching, testing, experimentation, or exhibition purposes, or as a pet. This term excludes: Birds, rats of the genus *Rattus* and mice of the genus *Mus* bred for use in research, and horses not used for research purposes and other farm animals, such as, but not limited to livestock or poultry, used or intended for use as food or fiber, or livestock or poultry used or intended for use for improving animal nutrition, breeding, management, or production efficiency, or for improving the quality of food or fiber. With respect to a dog, the term means all dogs, including those used for hunting, security, or breeding purposes.

Animal act means any performance of animals where such animals are trained to perform some behavior or action or are part of a show, performance, or exhibition.

APHIS official means any person employed by the Department who is authorized to perform a function under the Act and the regulations in 9 CFR parts 1, 2, and 3.

Attending veterinarian means a person who has graduated from a veterinary school accredited by the American Veterinary Medical Association's Council on Education, or has a certificate issued by the American Veterinary Medical Association's Education Commission for Foreign Veterinary Graduates, or has received equivalent formal education as determined by the Administrator; has received training and/or experience in the care and management of the species being attended; and who has direct or delegated authority for activities involving animals at a facility subject to the jurisdiction of the Secretary.

Buffer area means that area in a primary enclosure for a swim-with-the-dolphin program that is off-limits to

members of the public and that directly abuts the interactive area.

Business hours means a reasonable number of hours between 7 a.m. and 7 p.m., Monday through Friday, except for legal Federal holidays, each week of the year, during which inspections by APHIS may be made.

Business year means the 12-month period during which business is conducted, and may be either on a calendar or fiscal-year basis.

Carrier means the operator of any airline, railroad, motor carrier, shipping line, or other enterprise which is engaged in the business of transporting any animals for hire.

Cat means any live or dead cat (Felis catus) or any cat-hybrid cross.

Class ''A'' licensee (breeder) means a person subject to the licensing requirements under part 2 and meeting the definition of a ''dealer'' (§1.1), and whose business involving animals consists only of animals that are bred and raised on the premises in a closed or stable colony and those animals acquired for the sole purpose of maintaining or enhancing the breeding colony.

Class ''B'' licensee means a person subject to the licensing requirements under part 2 and meeting the definition of a ''dealer'' (§1.1), and whose business includes the purchase and/or resale of any animal. This term includes brokers, and operators of an auction sale, as such individuals negotiate or arrange for the purchase, sale, or transport of animals in commerce. Such individuals do not usually take actual physical possession or control of the animals, and do not usually hold animals in any facilities. A class ''B'' licensee may also exhibit animals as a minor part of the business.

Class ''C'' licensee (exhibitor) means a person subject to the licensing requirements under part 2 and meeting the definition of an ''exhibitor'' (§1.1), and whose business involves the showing or displaying of animals to the public. A class ''C'' licensee may buy and sell animals as a minor part of the business in order to maintain or add to his animal collection.

Commerce means trade, traffic, transportation, or other commerce:

(1) Between a place in a State and any place outside of such State, including any foreign country, or between points within the same State but through any place outside thereof, or within any territory, possession, or the District of Columbia; or

(2) Which affects the commerce described in this part.

Committee means the Institutional Animal Care and Use Committee (IACUC) established under section 13(b) of the Act. It shall consist of at least three (3) members, one of whom is the attending veterinarian of the research facility and one of whom is not affiliated in any way with the facility other than as a member of the committee, however, if the research facility has more than one Doctor of Veterinary Medicine (DVM), another DVM with delegated program responsibility may serve. The research facility shall establish the Committee for the purpose of evaluating the care, treatment, housing, and use of animals, and for certifying compliance with the Act by the research facility.

Dealer means any person who, in commerce, for compensation or profit, delivers for transportation, or transports, except as a carrier, buys, or sells, or negotiates the purchase or sale of: Any dog or other animal whether alive or dead (including unborn animals, organs, limbs, blood, serum, or other parts) for research, teaching, testing, experimentation, exhibition, or for use as a pet; or any dog for hunting, security, or breeding purposes. This term does not include: A retail pet store, as defined in this section, unless such store sells any animals to a research facility, an exhibitor, or a dealer (wholesale); or any person who does not sell, or negotiate the purchase or sale of any wild or exotic animal, dog, or cat and who derives no more than $500 gross income from the sale of animals other than wild or exotic animals, dogs, or cats, during any calendar year.

Department means the U.S. Department of Agriculture.

Deputy Administrator means the Deputy Administrator for Animal Care (AC) or any other official of AC to whom authority has been delegated to act in his stead.

Dog means any live or dead dog (*Canis familiaris*) or any dog-hybrid cross.

Dwarf hamster means any species of hamster such as the Chinese and Armenian species whose adult body size is substantially less than that attained by the Syrian or Golden species of hamsters.

Endangered species means those species defined in the Endangered Species Act (16 U.S.C. 1531 *et seq.*) and as it may be subsequently amended.

Euthanasia means the humane destruction of an animal accomplished by a method that produces rapid unconsciousness and subsequent death without evidence of pain or distress, or a method that utilizes anesthesia produced by an agent that causes painless loss of consciousness and subsequent death

Exhibitor means any person (public or private) exhibiting any animals, which were purchased in commerce or the intended distribution of which affects commerce, or will affect commerce, to the public for compensation, as determined by the Secretary. This term includes carnivals, circuses, animal acts, zoos, and educational exhibits, exhibiting such animals whether operated for profit or not. This term excludes retail pet stores, horse and dog races, organizations sponsoring and all persons participating in State and county fairs, livestock shows, rodeos, field trials, coursing events, purebred dog and cat shows and any other fairs or exhibitions intended to advance agricultural arts and sciences as may be determined by the Secretary.

Exotic animal means any animal not identified in the definition of ''animal'' provided in this part that is native to a foreign country or of foreign origin or character, is not native to the United States, or was introduced from abroad. This term specifically includes animals such as, but not limited to, lions, tigers, leopards, elephants, camels, antelope, anteaters, kangaroos, and water buffalo, and species of foreign domestic cattle, such as Ankole, Gayal, and Yak.

Farm animal means any domestic species of cattle, sheep, swine, goats, llamas, or horses, which are normally and have historically, been kept and raised on farms in the United States, and used or intended for use as food or fiber, or for improving animal nutrition, breeding, management, or production efficiency, or for improving the quality of food or fiber. This term also includes animals such as rabbits, mink, and chinchilla, when they are used solely for purposes of meat or fur, and animals such as horses and llamas when used solely as work and pack animals.

Federal agency means an Executive agency as such term is defined in section 105 of title 5, United States Code, and with respect to any research facility means the agency from which the research facility receives a Federal award for the conduct of research, experimentation, or testing involving the use of animals.

Federal award means any mechanism (including a grant, award, loan, contract, or cooperative agreement) under which Federal funds are used to support the conduct of research, experimentation, or testing, involving the use of animals. The permit system established under the authorities of the Endangered Species Act, the Marine Mammal Protection Act, and the Migratory Bird Treaty Act, are not considered to be Federal awards under the Animal Welfare Act.

Federal research facility means each department, agency, or instrumentality of the United States which uses live animals for research or experimentation.

Field study means any study conducted on free-living wild animals in their natural habitat, which does not involve an invasive procedure, and which does not harm or materially alter the behavior of the animals under study.

Handling means petting, feeding, watering, cleaning, manipulating, loading, crating, shifting, transferring, immobilizing, restraining, treating, training, working and moving, or any similar activity with respect to any animal.

Housing facility means any land, premises, shed, barn, building, trailer, or other structure or area housing or intended to house animals.

Hybrid cross means an animal resulting from the crossbreeding between

two different species or types of animals. Crosses between wild animal species, such as lions and tigers, are considered to be wild animals. Crosses between wild animal species and domestic animals, such as dogs and wolves or buffalo and domestic cattle, are considered to be domestic animals.

Impervious surface means a surface that does not permit the absorption of fluids. Such surfaces are those that can be thoroughly and repeatedly cleaned and disinfected, will not retain odors, and from which fluids bead up and run off or can be removed without their being absorbed into the surface material.

Indoor housing facility means any structure or building with environmental controls housing or intended to house animals and meeting the following three requirements:

(1) It must be capable of controlling the temperature within the building or structure within the limits set forth for that species of animal, of maintaining humidity levels of 30 to 70 percent and of rapidly eliminating odors from within the building; and

(2) It must be an enclosure created by the continuous connection of a roof, floor, and walls (a shed or barn set on top of the ground does not have a continuous connection between the walls and the ground unless a foundation and floor are provided); and

(3) It must have at least one door for entry and exit that can be opened and closed (any windows or openings which provide natural light must be covered with a transparent material such as glass or hard plastic).

Interactive area means that area in a primary enclosure for a swim-with-the-dolphin program where an interactive session takes place.

Interactive session means a swim-with-the-dolphin program session where members of the public enter a primary enclosure to interact with cetaceans.

Intermediate handler means any person, including a department, agency, or instrumentality of the United States or of any State or local government (other than a dealer, research facility, exhibitor, any person excluded from the definition of a dealer, research facility, or exhibitor, an operator of an auction sale, or a carrier), who is engaged in any business in which he receives custody of animals in connection with their transportation in commerce.

Inspector means any person employed by the Department who is authorized to perform a function under the Act and the regulations in 9 CFR parts 1, 2, and 3.

Institutional official means the individual at a research facility who is authorized to legally commit on behalf of the research facility that the requirements of 9 CFR parts 1, 2, and 3 will be met.

Isolation in regard to marine mammals means the physical separation of animals to prevent contact and a separate, noncommon, water circulation and filtration system for the isolated animals.

Licensed veterinarian means a person who has graduated from an accredited school of veterinary medicine or has received equivalent formal education as determined by the Administrator, and who has a valid license to practice veterinary medicine in some State.

Licensee means any person licensed according to the provisions of the Act and the regulations in part 2 of this subchapter.

Major operative procedure means any surgical intervention that penetrates and exposes a body cavity or any procedure which produces permanent impairment of physical or physiological functions.

Minimum horizontal dimension (MHD) means the diameter of a circular pool of water, or in the case of a square, rectangle, oblong, or other shape pool, the diameter of the largest circle that can be inserted within the confines of such a pool of water.

Mobile or traveling housing facility means a transporting vehicle such as a truck, trailer, or railway car, used to house animals while traveling for exhibition or public education purposes.

Nonconditioned animals means animals which have not been subjected to special care and treatment for sufficient time to stabilize, and where necessary, to improve their health.

Nonhuman primate means any nonhuman member of the highest order of mammals including prosimians, monkeys, and apes.

Operator of an auction sale means any person who is engaged in operating an auction at which animals are purchased or sold in commerce.

Outdoor housing facility means any structure, building, land, or premise, housing or intended to house animals, which does not meet the definition of any other type of housing facility provided in the regulations, and in which temperatures cannot be controlled within set limits.

Painful procedure as applied to any animal means any procedure that would reasonably be expected to cause more than slight or momentary pain or distress in a human being to which that procedure was applied, that is, pain in excess of that caused by injections or other minor procedures.

Paralytic drug means a drug which causes partial or complete loss of muscle contraction and which has no anesthetic or analgesic properties, so that the animal cannot move, but is completely aware of its surroundings and can feel pain.

Person means any individual, partnership, firm, joint stock company, corporation, association, trust, estate, or other legal entity.

Pet animal means any animal that has commonly been kept as a pet in family households in the United States, such as dogs, cats, guinea pigs, rabbits, and hamsters. This term excludes exotic animals and wild animals.

Positive physical contact means petting, stroking, or other touching, which is beneficial to the well-being of the animal.

Pound or shelter means a facility that accepts and/or seizes animals for the purpose of caring for them, placing them through adoption, or carrying out law enforcement, whether or not the facility is operated for profit.

Primary conveyance means the main method of transportation used to convey an animal from origin to destination, such as a motor vehicle, plane, ship, or train.

Primary enclosure means any structure or device used to restrict an animal or animals to a limited amount of space, such as a room, pen, run, cage, compartment, pool, or hutch.

Principal investigator means an employee of a research facility, or other person associated with a research facility, responsible for a proposal to conduct research and for the design and implementation of research involving animals.

Quorum means a majority of the Committee members.

Random source means dogs and cats obtained from animal pounds or shelters, auction sales, or from any person who did not breed and raise them on his or her premises.

Registrant means any research facility, carrier, intermediate handler, or exhibitor not required to be licensed under section 3 of the Act, registered pursuant to the provisions of the Act and the regulations in part 2 of this subchapter.

Research facility means any school (except an elementary or secondary school), institution, organization, or person that uses or intends to use live animals in research, tests, or experiments, and that (1) purchases or transports live animals in commerce, or (2) receives funds under a grant, award, loan, or contract from a department, agency, or instrumentality of the United States for the purpose of carrying out research, tests, or experiments: *Provided,* That the Administrator may exempt, by regulation, any such school, institution, organization, or person that does not use or intend to use live dogs or cats, except those schools, institutions, organizations, or persons, which use substantial numbers (as determined by the Administrator) of live animals the principal function of which schools, institutions, organizations, or persons, is biomedical research or testing, when in the judgment of the Administrator, any such exemption does not vitiate the purpose of the Act.

Retail pet store means any outlet where only the following animals are sold or offered for sale, at retail, for use as pets: Dogs, cats, rabbits, guinea pigs, hamsters, gerbils, rats, mice, gophers, chinchilla, domestic ferrets, domestic farm animals, birds, and cold-blooded species. Such definition excludes—

(1) Establishments or persons who deal in dogs used for hunting, security, or breeding purposes;

(2) Establishments or persons exhibiting, selling, or offering to exhibit or sell any wild or exotic or other nonpet species of warmblooded animals (except birds), such as skunks, raccoons, nonhuman primates, squirrels, ocelots, foxes, coyotes, etc.;

(3) Any establishment or person selling warmblooded animals (except birds, and laboratory rats and mice) for research or exhibition purposes; and

(4) Any establishment wholesaling any animals (except birds, rats and mice).

(5) Any establishment exhibiting pet animals in a room that is separate from or adjacent to the retail pet store, or in an outside area, or anywhere off the retail pet store premises.

Sanctuary area means that area in a primary enclosure for a swim-with-the-dolphin program that is off-limits to the public and that directly abuts the buffer area.

Sanitize means to make physically clean and to remove and destroy, to the maximum degree that is practical, agents injurious to health.

Secretary means the Secretary of Agriculture of the United States or his representative who shall be an employee of the Department.

Sheltered housing facility means a housing facility which provides the animals with shelter; protection from the elements; and protection from temperature extremes at all times. A sheltered housing facility may consist of runs or pens totally enclosed in a barn or building, or of connecting inside/outside runs or pens with the inside pens in a totally enclosed building.

Standards means the requirements with respect to the humane housing, exhibition, handling, care, treatment, temperature, and transportation of animals by dealers, exhibitors research facilities, carriers, intermediate handlers, and operators of auction sales as set forth in part 3 of this subchapter.

State means a State of the United States, the District of Columbia, Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, or any other territory or possession of the United States.

Study area means any building room, area, enclosure, or other containment outside of a core facility or centrally designated or managed area in which animals are housed for more than 12 hours.

Swim-with-the-dolphin (SWTD) program means any human-cetacean interactive program in which a member of the public enters the primary enclosure in which an SWTD designated cetacean is housed to interact with the animal. This interaction includes, but such inclusions are not limited to, wading, swimming, snorkeling, or scuba diving in the enclosure. This interaction excludes, but such exclusions are not limited to, feeding and petting pools, and the participation of any member(s) of the public audience as a minor segment of an educational presentation or performance of a show.

Transporting device means an interim vehicle or device, other than man, used to transport an animal between the primary conveyance and the terminal facility or in and around the terminal facility of a carrier or intermediate handler.

Transporting vehicle means any truck, car, trailer, airplane, ship, or railroad car used for transporting animals.

Weaned means that an animal has become accustomed to take solid food and has so done, without nursing, for a period of at least 5 days.

Wild animal means any animal which is now or historically has been found in the wild, or in the wild state, within the boundaries of the United States, its territories, or possessions. This term includes, but is not limited to, animals such as: Deer, skunk, opossum, raccoon, mink, armadillo, coyote, squirrel, fox, wolf.

Wild state means living in its original, natural condition; not domesticated.

Zoo means any park, building, cage, enclosure, or other structure or premise in which a live animal or animals are kept for public exhibition or viewing, regardless of compensation.

[54 FR 36119, Aug. 31, 1989, as amended at 55 FR 12631, Apr. 5, 1990; 58 FR 39129, July 22, 1993; 62 FR 43275, Aug. 13, 1997; 63 FR 47148, Sept. 4, 1998; 63 FR 62926, Nov. 10, 1998]

EFFECTIVE DATE NOTE: At 64 FR 15920, Apr. 2, 1999, the definitions of *buffer area, interactive area, interactive session, sanctuary area,* and *swim-with-the-dolphin (SWTD) program* were suspended, effective Apr. 2, 1999.

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AUTHORITY: 7 U.S.C. 2131–2159; 7 CFR 2.22, 2.80, and 371.2(g).

SOURCE: 54 FR 36147, Aug. 31, 1989, unless otherwise noted.

Subpart A—Licensing

§2.1 Requirements and application.

(a)(1) Any person operating or desiring to operate as a dealer, exhibitor, or operator of an auction sale, except persons who are exempted from the licensing requirements under paragraph (a)(3) of this section, must have a valid license. A person must be 18 years of age or older to obtain a license. A person seeking a license shall apply on a form which will be furnished by the AC Regional Director in the State in which that person operates or intends to operate. The applicant shall provide

the information requested on the application form, including a valid mailing address through which the licensee or applicant can be reached at all times, and a valid premises address where animals, animal facilities, equipment, and records may be inspected for compliance. The applicant shall file the completed application form with the AC Regional Director.

(2) If an applicant for a license or license renewal operates in more than one State, he or she shall apply in the State in which he or she has his or her principal place of business. All premises, facilities, or sites where such person operates or keeps animals shall be indicated on the application form or on a separate sheet attached to it. The completed application form, along with the application fee indicated in paragraph (d) of this section, and the annual license fee indicated in table 1 or 2 of §2.6 shall be filed with the AC Regional Director.

(3) The following persons are exempt from the licensing requirements under section 2 or section 3 of the Act:

(i) Retail pet stores which sell nondangerous, pet-type animals, such as dogs, cats, birds, rabbits, hamsters, guinea pigs, gophers, domestic ferrets, chinchilla, rats, and mice, for pets, at retail only: *Provided, That,* Anyone wholesaling any animals, selling any animals for research or exhibition, or selling any wild, exotic, or nonpet animals retail, must have a license;

(ii) Any person who sells or negotiates the sale or purchase of any animal except wild or exotic animals, dogs, or cats, and who derives no more than $500 gross income from the sale of such animals to a research facility, an exhibitor, a dealer, or a pet store during any calendar year and is not otherwise required to obtain a license;

(iii) Any person who maintains a total of three (3) or fewer breeding female dogs and/or cats and who sells only the offspring of these dogs or cats, which were born and raised on his or her premises, for pets or exhibition, and is not otherwise required to obtain a license;

(iv) Any person who sells fewer than 25 dogs and/or cats per year which were born and raised on his or her premises, for research, teaching, or testing purposes or to any research facility and is not otherwise required to obtain a license. The sale of any dog or cat not born and raised on the premises for research purposes requires a license;

(v) Any person who arranges for transportation or transports animals solely for the purpose of breeding, exhibiting in purebred shows, boarding (not in association with commercial transportation), grooming, or medical treatment, and is not otherwise required to obtain a license;

(vi) Any person who buys, sells, transports, or negotiates the sale, purchase, or transportation of any animals used only for the purposes of food or fiber (including fur);

(vii) Any person who breeds and raises domestic pet animals for direct retail sales to another person for the buyer's own use and who buys no animals for resale and who sells no animals to a research facility, an exhibitor, a dealer, or a pet store (e.g., a purebred dog or cat fancier) and is not otherwise required to obtain a license;

(viii) Any person who buys animals solely for his or her own use or enjoyment and does not sell or exhibit animals, or is not otherwise required to obtain a license;

(b) Any person who sells fewer than 25 dogs or cats per year for research or teaching purposes and who is not otherwise required to obtain a license may obtain a voluntary license, provided the animals were born and raised on his or her premises. A voluntary licensee shall comply with the requirements for dealers set forth in this part and the Specifications for the Humane Handling, Care, Treatment, and Transportation of Dogs and Cats set forth in part 3 of this subchapter and shall agree in writing on a form furnished by APHIS to comply with all the requirements of the Act and this subchapter. Voluntary licenses will not be issued to any other persons. To obtain a voluntary license the applicant shall submit to the AC Regional Director the application fee of $10 plus an annual license fee. The class of license issued and the fee for a voluntary license shall be that of a Class ''A'' licensee (breeder). Voluntary licenses will not be issued to any other persons or for any other class of license.

(c) No person shall have more than one license.

(d) A license will be issued to any applicant, except as provided in §§ 2.10 and 2.11, when the applicant:

(1) Has met the requirements of this section and of §§ 2.2 and 2.3; and

(2) Has paid the application fee of $10 and the annual license fee indicated in § 2.6 to the AC Regional Director and the payment has cleared normal banking procedures.

(e)(1) On or before the expiration date of the license, a licensee who wishes a renewal shall submit to the AC Regional Director a completed application form and the application fee of $10, plus the annual license fee indicated in § 2.6 by certified check, cashier's check, personal check, or money order. A voluntary licensee who wishes a renewal shall also submit the $10 application fee plus an annual license fee. An applicant whose check is returned by the bank will be charged a fee of $15 for each returned check. One returned check will be deemed nonpayment of fees and will result in denial of license. Payment of fees must then be made by certified check, cashier's check, or money order. An applicant will not be licensed until his or her payment has cleared normal banking procedures.

(2) The $10 application fee must also be paid if an applicant is applying for a changed class of license. The applicant may pay such fees by certified check, cashier's check, personal check, or money order. An applicant whose check is returned by a bank will be charged a fee of $15 for each returned check and will be required to pay all subsequent fees by certified check, money order, or cashier's check. A license will not be issued until payment has cleared normal banking procedures.

(f) The failure of any person to comply with any provision of the Act, or any of the provisions of the regulations or standards in this subchapter, shall constitute grounds for denial of a license; or for its suspension or revocation by the Secretary, as provided in the Act.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.2 Acknowledgement of regulations and standards.

(a) *Application for initial license.* APHIS will supply a copy of the applicable regulations and standards to the applicant with each request for a license application. The applicant shall acknowledge receipt of the regulations and standards and agree to comply with them by signing the application form before a license will be issued.

(b) *Application for license renewal.* APHIS will supply a copy of the applicable regulations and standards to the applicant for license renewal with each request for a license renewal. Before a license will be renewed, the applicant for license renewal shall acknowledge receipt if the regulations and standards and shall certify by signing the applications form that, to the best of the applicant's knowledge and belief, he or she is in compliance with the regulations and standards and agrees to continue to comply with the regulations and standards.

[60 FR 13895, Mar. 15, 1995]

§ 2.3 Demonstration of compliance with standards and regulations.

(a) Each applicant must demonstrate that his or her premises and any animals, facilities, vehicles, equipment, or other premises used or intended for use in the business comply with the regulations and standards set forth in parts 2 and 3 of this subchapter. Each applicant for an initial license or license renewal must make his or her animals, premises, facilities, vehicles, equipment, other premises, and records available for inspection during business hours and at other times mutually agreeable to the applicant and APHIS, to ascertain the applicant's compliance with the standards and regulations.

(b) In the case of an application for an initial license, the applicant must demonstrate compliance with the regulations and standards, as required in paragraph (a) of this section, before APHIS will issue a license. If the applicant's animals, premises, facilities, vehicles, equipment, other premises, or records do not meet the requirements of this subchapter, APHIS will advise the applicant of existing deficiencies and the corrective measures that must

be completed to come into compliance with the regulations and standards. The applicant will have two more chances to demonstrate his or her compliance with the regulations and standards through re-inspection by APHIS. If the applicant fails the third inspection he or she will forfeit the application fee and cannot re-apply for a license for a period of 6 months following the third inspection. Issuance of the license will be denied until the applicant demonstrates upon inspection that the animals, premises, facilities, vehicles, equipment, other premises and records are in compliance with all regulations and standards in this subchapter.

§ 2.4 Non-interference with APHIS officials.

A licensee or applicant for an initial license shall not interfere with, threaten, abuse (including verbally abuse), or harass any APHIS official in the course of carrying out his or her duties.

§ 2.5 Duration of license and termination of license.

(a) A license issued under this part shall be valid and effective unless:

(1) The license has been revoked or suspended pursuant to section 19 of the Act.

(2) The license is voluntarily terminated upon request of the licensee, in writing, to the AC Regional Director.

(3) The license has expired or been terminated under this part.

(4) The applicant has failed to pay the application fee and the annual license fee as required in §§ 2.1 and 2.6. There will be no refund of fees if a license is terminated prior to its expiration date.

(b) Any person who is licensed must file an application for a license renewal and an annual report form (APHIS Form 7003/VS Form 18–3) as required by § 2.7, and pay the required fees, on or before the expiration date of the present license or the license shall expire and automatically terminate on its anniversary date. The licensee will be notified by certified mail at least 60 days prior to the expiration date of the license. Failure to comply with the annual reporting requirements, or to pay the required license fees prior to the expiration date of the license, shall result in automatic termination of such license on the anniversary date of the license.

(c) Licensees must accept delivery of registered mail or certified mail notice and provide the AC Regional Director notice of their address in conformity with the requirements in § 2.1.

(d) Any person who seeks the reinstatement of a license that has been automatically terminated must follow the procedure applicable to new applicants for a license set forth in § 2.1.

(e) Licenses are issued to specific persons for specific premises and do not transfer upon change of ownership, nor are they valid at a different location.

(f) A license which is invalid under this part shall be surrendered to the AC Regional Director. If the license cannot be found, the licensee shall provide a written statement so stating to the AC Regional Director.

[54 FR 36147, Aug. 31, 1989, as amended at 60 FR 13895, Mar. 15, 1995; 63 FR 62926, Nov. 10, 1998]

§ 2.6 Annual license fees.

(a) In addition to the application fee of $10 required to be paid upon the application for a license, license renewal, or changed class of license under § 2.1, each licensee shall submit to the AC Regional Director the annual license fee prescribed in this section. Paragraph (b) of this section indicates the method used to calculate the appropriate fee. The amount of the fee is determined from Table 1 or 2 in paragraph (c) of this section.

(b)(1) Class ''A'' license. The annual license renewal fee for a Class ''A'' dealer shall be based on 50 percent of the total gross amount, expressed in dollars, derived from the sale of animals to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, directly or through an auction sale, by the dealer or applicant during his or her preceding business year (calendar or fiscal) in the case of a person who operated during such a year. If animals are leased, the lessor shall pay a fee based on 50 percent of any compensation received from the leased animals and the lessee shall pay a fee based upon the net compensation

received from the leased animals, as indicated for dealers in Table 1 in paragraph (c) of this section.

(2) Class ''B'' license. The annual license renewal fee for a Class ''B'' dealer shall be established by calculating the total amount received from the sale of animals to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, directly or through an auction sale, during the preceding business year (calendar or fiscal) less the amount paid for the animals by the dealer or applicant. This net difference, exclusive of other costs, shall be the figure used to determine the license fee of a Class ''B'' dealer. If animals are leased, the lessor and lessee shall each pay a fee based on the net compensation received from the leased animals calculated from Table 1 in paragraph (c) of this section.

(3) The annual license renewal fee for a broker or operator of an auction sale shall be that of a class ''B'' dealer and shall be based on the total gross amount, expressed in dollars, derived from commissions or fees charged for the sale of animals, or for negotiating the sale of animals, by brokers or by the operator of an auction sale, to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, during the preceding business year (calendar or fiscal).

(4) In the case of a new applicant for a license as a dealer, broker or operator of an auction sale who did not operate during a preceding business year, the annual license fee will be based on the anticipated yearly dollar amount of business, as provided in paragraphs (b)(1), (2), and (3) of this section, derived from the sale of animals to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, directly or through an auction sale.

(5) The amount of the annual fee to be paid upon application for a class ''C'' license as an exhibitor under this section shall be based on the number of animals which the exhibitor owned, held, or exhibited at the time the application is signed and dated or during the previous year, whichever is greater, and will be the amount listed in Table 2 in paragraph (c) of this section. Animals which are leased shall be included in the number of animals being held by both the lessor and the lessee when calculating the annual fee. An exhibitor shall pay his or her annual license fee on or before the expiration date of the license and the fee shall be based on the number of animals which the exhibitor is holding or has held during the year (both owned and leased).

(c) The license fee shall be computed in accordance with the following tables:

TABLE 1—DEALERS, BROKERS AND OPERATORS OF AN AUCTION SALE CLASS ''A'' AND ''B'' LICENSE

Over	But Not Over	Fee
$0	$500	$30
500	2,000	60
2,000	10,000	120
10,000	25,000	225
25,000	50,000	350
50,000	100,000	475
100,000	.....	750

TABLE 2—EXHIBITORS—CLASS ''C'' LICENSE

Number of Animals	Fee
1 to 5	$30
6 to 25	75
26 to 50	175
51 to 500	225
501 and up	300

(d) If a person meets the licensing requirements for more than one class of license, he shall be required to obtain a license and pay the fee for the type business which is predominant for his operation, as determined by the Secretary.

(e) In any situation in which a licensee shall have demonstrated in writing to the satisfaction of the Secretary that he or she has good reason to believe that the dollar amount of his or her business for the forthcoming business year will be less than the previous business year, then his or her estimated dollar amount of business shall be used for computing the license fee for the forthcoming business year: *Provided, however,* That if the dollar amount upon which the license fee is based for that year does in fact exceed the amount estimated, the difference in amount of the fee paid and that which was due under paragraphs (b) and (c) of this section based upon the actual dollar business upon which the

license fee is based, shall be payable in addition to the required annual license fee for the next subsequent year, on the anniversary date of his or her license as prescribed in this section.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.7 Annual report by licensees.

(a) Each year, within 30 days prior to the expiration date of his or her license, a licensee shall file with the AC Regional Director an application for license renewal and annual report upon a form which the AC Regional Director will furnish to him or her upon request.

(b) A person licensed as a dealer shall set forth in his or her license renewal application and annual report the dollar amount of business, from the sale of animals, upon which the license fee is based, directly or through an auction sale, to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, by the licensee during the preceding business year (calendar or fiscal), and any other information as may be required thereon.

(c) A licensed dealer who operates as a broker or an operator of an auction sale shall set forth in his or her license renewal application and annual report the total gross amount, expressed in dollars, derived from commissions or fees charged for the sale of animals by the licensee to research facilities, dealers, exhibitors, retail pet stores, and persons for use as pets, during the preceding business year (calendar or fiscal), and any other information as may be required thereon.

(d) A person licensed as an exhibitor shall set forth in his or her license renewal application and annual report the number of animals owned, held, or exhibited by him or her, including those which are leased, during the previous year or at the time he signs and dates the report, whichever is greater.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.8 Notification of change of name, address, control, or ownership of business.

A licensee shall promptly notify the AC Regional Director by certified mail of any change in the name, address, management, or substantial control or ownership of his business or operation, or of any additional sites, within 10 days of any change.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.9 Officers, agents, and employees of licensees whose licenses have been suspended or revoked.

Any person who has been or is an officer, agent, or employee of a licensee whose license has been suspended or revoked and who was responsible for or participated in the violation upon which the order of suspension or revocation was based will not be licensed within the period during which the order of suspension or revocation is in effect.

§ 2.10 Licensees whose licenses have been suspended or revoked.

(a) Any person whose license has been suspended for any reason shall not be licensed in his or her own name or in any other manner within the period during which the order of suspension is in effect. No partnership, firm, corporation, or other legal entity in which any such person has a substantial interest, financial or otherwise, will be licensed during that period. Any person whose license has been suspended for any reason may apply to the AC Regional Director, in writing, for reinstatement of his or her license.

(b) Any person whose license has been revoked shall not be licensed in his or her own name or in any other manner; nor will any partnership, firm, corporation, or other legal entity in which any such person has a substantial interest, financial or otherwise, be licensed.

(c) Any person whose license has been suspended or revoked shall not buy, sell, transport, exhibit, or deliver for transportation, any animal during the period of suspension or revocation.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.11 Denial of initial license application.

(a) A license will not be issued to any applicant who:

(1) Has not complied with the requirements of §§ 2.1, 2.2, 2.3, and 2.4 and has not paid the fees indicated in § 2.6;

(2) Is not in compliance with any of the regulations or standards in this subchapter;

(3) Has had a license revoked or whose license is suspended, as set forth in § 2.10;

(4) Has been fined, sentenced to jail, or pled nolo contendere (no contest) under State or local cruelty to animal laws within l year of application, except that if no penalty is imposed as a result of the plea of nolo contendere the applicant may reapply immediately; or

(5) Has made any false or fraudulent statements, or provided any false or fraudulent records to the Department.

(b) An applicant whose license application has been denied may request a hearing in accordance with the applicable rules of practice for the purpose of showing why the application for license should not be denied. The license denial shall remain in effect until the final legal decision has been rendered. Should the license denial be upheld, the applicant may again apply for a license l year from the date of the final order denying the application.

(c) No partnership, firm, corporation, or other legal entity in which a person whose license application has been denied has a substantial interest, financial or otherwise, will be licensed within 1 year of the license denial.

Subpart B—Registration

§ 2.25 Requirements and procedures.

(a) Each carrier and intermediate handler, and each exhibitor not required to be licensed under section 3 of the Act and the regulations of this subchapter, shall register with the Secretary by completing and filing a properly executed form which will be furnished, upon request, by the AC Regional Director. The registration form shall be filed with the AC Regional Director for the State in which the registrant has his or her principal place of business, and shall be updated every 3 years by the completion and filing of a new registration form which will be provided by the AC Regional Director.

(b) A subsidiary of a business corporation, rather than the parent corporation, will be registered as an exhibitor unless the subsidiary is under such direct control of the parent corporation that the Secretary determines that it is necessary that the parent corporation be registered to effectuate the purposes of the Act.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.26 Acknowledgment of regulations and standards.

APHIS will supply a copy of the regulations and standards in this subchapter with each registration form. The registrant shall acknowledge receipt of and shall agree to comply with the regulations and standards by signing a form provided for this purpose by APHIS, and by filing it with the AC Regional Director.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.27 Notification of change of operation.

(a) A registrant shall notify the AC Regional Director by certified mail of any change in the name, address, or ownership, or other change in operations affecting its status as an exhibitor, carrier, or intermediate handler, within 10 days after making such change.

(b)(1) A registrant which has not used, handled, or transported animals for a period of at least 2 years may be placed in an inactive status by making a written request to the AC Regional Director a registrant shall notify the AC Regional Director in writing at least 10 days before using, handling, or transporting animals again after being in an inactive status.

(2) A registrant which goes out of business or which ceases to function as a carrier, intermediate handler, or exhibitor, or which changes its method of operation so that it no longer uses, handles, or transports animals, and which does not plan to use, handle, or transport animals again at any time in the future, may have its registration canceled by making a written request to the AC Regional Director. The former registrant is responsible for reregistering and demonstrating its compliance with the Act and regulations should it start using, handling, or

transporting animals at any time after its registration is canceled.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

Subpart C—Research Facilities

§ 2.30 Registration.

(a) *Requirements and procedures.* (1) Each research facility other than a Federal research facility, shall register with the Secretary by completing and filing a properly executed form which will be furnished, upon request, by the AC Regional Director. The registration form shall be filed with the AC Regional Director for the State in which the research facility has its principal place of business, and shall be updated every 3 years by the completion and filing of a new registration form which will be provided by the AC Regional Director. Except as provided in paragraph (a)(2) of this section, where a school or department of a university or college uses or intends to use live animals for research, tests, experiments, or teaching, the university or college rather than the school or department will be considered the research facility and will be required to register with the Secretary. An official who has the legal authority to bind the parent organization shall sign the registration form.

(2) In any situation in which a school or department of a university or college demonstrates to the Secretary that it is a separate legal entity and its operations and administration are independent of those of the university or college, the school or department will be registered rather than the university or college.

(3) A subsidiary of a business corporation, rather than the parent corporation, will be registered as a research facility unless the subsidiary is under such direct control of the parent corporation that the Secretary determines that it is necessary that the parent corporation be registered to effectuate the purposes of the Act.

(b) *Acknowledgment of regulations and standards.* APHIS will supply a copy of the regulations and standards in this subchapter with each registration form. The research facility shall acknowledge receipt of and shall agree to comply with the regulations and standards by signing a form provided for this purpose by APHIS, and by filing it with the AC Regional Director.

(c) *Notification of change of operation.* (1) A research facility shall notify the AC Regional Director by certified mail of any change in the name, address, or ownership, or other change in operations affecting its status as a research facility, within 10 days after making such change.

(2) A research facility which has not used, handled, or transported animals for a period of at least 2 years may be placed in an inactive status by making a written request to the AC Regional Director. A research facility shall file an annual report of its status (active or inactive). A research facility shall notify the AC Regional Director in writing at least 10 days before using, handling, or transporting animals again after being in an inactive status.

(3) A research facility which goes out of business or which ceases to function as a research facility, or which changes its method of operation so that it no longer uses, handles, or transports animals, and which does not plan to use, handle, or transport animals at any time in the future, may have its registration canceled by making a written request to the AC Regional Director. The research facility is responsible for reregistering and demonstrating its compliance with the Act and regulations should it start using, handling, or transporting animals at any time after its registration is canceled.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.31 Institutional Animal Care and Use Committee (IACUC).

(a) The Chief Executive Officer of the research facility shall appoint an Institutional Animal Care and Use Committee (IACUC), qualified through the experience and expertise of its members to assess the research facility's animal program, facilities, and procedures. Except as specifically authorized by law or these regulations, nothing in this part shall be deemed to permit the Committee or IACUC to prescribe methods or set standards for the design, performance, or conduct of actual research or experimentation by a research facility.

(b) IACUC Membership. (1) The members of each Committee shall be appointed by the Chief Executive Officer of the research facility;

(2) The Committee shall be composed of a Chairman and at least two additional members;

(3) Of the members of the Committee:

(i) At least one shall be a Doctor of Veterinary Medicine, with training or experience in laboratory animal science and medicine, who has direct or delegated program responsibility for activities involving animals at the research facility;

(ii) At least one shall not be affiliated in any way with the facility other than as a member of the Committee, and shall not be a member of the immediate family of a person who is affiliated with the facility. The Secretary intends that such person will provide representation for general community interests in the proper care and treatment of animals;

(4) If the Committee consists of more than three members, not more than three members shall be from the same administrative unit of the facility.

(c) IACUC Functions. With respect to activities involving animals, the IACUC, as an agent of the research facility, shall:

(1) Review, at least once every six months, the research facility's program for humane care and use of animals, using title 9, chapter I, subchapter A—Animal Welfare, as a basis for evaluation;

(2) Inspect, at least once every six months, all of the research facility's animal facilities, including animal study areas, using title 9, chapter I, subchapter A-Animal Welfare, as a basis for evaluation; *Provided, however,* That animal areas containing free-living wild animals in their natural habitat need not be included in such inspection;

(3) Prepare reports of its evaluations conducted as required by paragraphs (c)(1) and (2) of this section, and submit the reports to the Institutional Official of the research facility; *Provided, however,* That the IACUC may determine the best means of conducting evaluations of the research facility's programs and facilities; and *Provided, further,* That no Committee member wishing to participate in any evaluation conducted under this subpart may be excluded. The IACUC may use subcommittees composed of at least two Committee members and may invite *ad hoc* consultants to assist in conducting the evaluations, however, the IACUC remains responsible for the evaluations and reports as required by the Act and regulations. The reports shall be reviewed and signed by a majority of the IACUC members and must include any minority views. The reports shall be updated at least once every six months upon completion of the required semiannual evaluations and shall be maintained by the research facility and made available to APHIS and to officials of funding Federal agencies for inspection and copying upon request. The reports must contain a description of the nature and extent of the research facility's adherence to this subchapter, must identify specifically any departures from the provisions of title 9, chapter I, subchapter A—Animal Welfare, and must state the reasons for each departure. The reports must distinguish significant deficiencies from minor deficiencies. A significant deficiency is one which, with reference to Subchapter A, and, in the judgment of the IACUC and the Institutional Official, is or may be a threat to the health or safety of the animals. If program or facility deficiencies are noted, the reports must contain a reasonable and specific plan and schedule with dates for correcting each deficiency. Any failure to adhere to the plan and schedule that results in a significant deficiency remaining uncorrected shall be reported in writing within 15 business days by the IACUC, through the Institutional Official, to APHIS and any Federal agency funding that activity;

(4) Review, and, if warranted, investigate concerns involving the care and use of animals at the research facility resulting from public complaints received and from reports of noncompliance received from laboratory or research facility personnel or employees;

(5) Make recommendations to the Institutional Official regarding any aspect of the research facility's animal program, facilities, or personnel training;

(6) Review and approve, require modifications in (to secure approval), or withhold approval of those components of proposed activities related to the care and use of animals, as specified in paragraph (d) of this section;

(7) Review and approve, require modifications in (to secure approval), or withhold approval of proposed significant changes regarding the care and use of animals in ongoing activities; and

(8) Be authorized to suspend an activity involving animals in accordance with the specifications set forth in paragraph (d)(6) of this section.

(d) IACUC review of activities involving animals. (1) In order to approve proposed activities or proposed significant changes in ongoing activities, the IACUC shall conduct a review of those components of the activities related to the care and use of animals and determine that the proposed activities are in accordance with this subchapter unless acceptable justification for a departure is presented in writing; *Provided, however,* That field studies as defined in part 1 of this subchapter are exempt from this requirement. Further, the IACUC shall determine that the proposed activities or significant changes in ongoing activities meet the following requirements:

(i) Procedures involving animals will avoid or minimize discomfort, distress, and pain to the animals;

(ii) The principal investigator has considered alternatives to procedures that may cause more than momentary or slight pain or distress to the animals, and has provided a written narrative description of the methods and sources, *e. g.,* the Animal Welfare Information Center, used to determine that alternatives were not available;

(iii) The principal investigator has provided written assurance that the activities do not unnecessarily duplicate previous experiments;

(iv) Procedures that may cause more than momentary or slight pain or distress to the animals will:

(A) Be performed with appropriate sedatives, analgesics or anesthetics, unless withholding such agents is justified for scientific reasons, in writing, by the principal investigator and will continue for only the necessary period of time;

(B) Involve, in their planning, consultation with the attending veterinarian or his or her designee;

(C) Not include the use of paralytics without anesthesia;

(v) Animals that would otherwise experience severe or chronic pain or distress that cannot be relieved will be painlessly euthanized at the end of the procedure or, if appropriate, during the procedure;

(vi) The animals' living conditions will be appropriate for their species in accordance with part 3 of this subchapter, and contribute to their health and comfort. The housing, feeding, and nonmedical care of the animals will be directed by the attending veterinarian or other scientist trained and experienced in the proper care, handling, and use of the species being maintained or studied;

(vii) Medical care for animals will be available and provided as necessary by a qualified veterinarian;

(viii) Personnel conducting procedures on the species being maintained or studied will be appropriately qualified and trained in those procedures;

(ix) Activities that involve surgery include appropriate provision for preoperative and post-operative care of the animals in accordance with established veterinary medical and nursing practices. All survival surgery will be performed using aseptic procedures, including surgical gloves, masks, sterile instruments, and aseptic techniques. Major operative procedures on non-rodents will be conducted only in facilities intended for that purpose which shall be operated and maintained under aseptic conditions. Non-major operative procedures and all surgery on rodents do not require a dedicated facility, but must be performed using aseptic procedures. Operative procedures conducted at field sites need not be performed in dedicated facilities, but must be performed using aseptic procedures;

(x) No animal will be used in more than one major operative procedure from which it is allowed to recover, unless:

(A) Justified for scientific reasons by the principal investigator, in writing;

(B) Required as routine veterinary procedure or to protect the health or well-being of the animal as determined by the attending veterinarian; or

(C) In other special circumstances as determined by the Administrator on an individual basis. Written requests and supporting data should be sent to the Animal and Plant Health Inspection Service, Animal Care, 4700 River Road, Unit 84, Riverdale, Maryland 20737–1234;

(xi) Methods of euthanasia used must be in accordance with the definition of the term set forth in 9 CFR part 1, §1.1 of this subchapter, unless a deviation is justified for scientific reasons, in writing, by the investigator.

(2) Prior to IACUC review, each member of the Committee shall be provided with a list of proposed activities to be reviewed. Written descriptions of all proposed activities that involve the care and use of animals shall be available to all IACUC members, and any member of the IACUC may obtain, upon request, full Committee review of those activities. If full Committee review is not requested, at least one member of the IACUC, designated by the chairman and qualified to conduct the review, shall review those activities, and shall have the authority to approve, require modifications in (to secure approval), or request full Committee review of any of those activities. If full Committee review is requested for a proposed activity, approval of that activity may be granted only after review, at a convened meeting of a quorum of the IACUC, and with the approval vote of a majority of the quorum present. No member may participate in the IACUC review or approval of an activity in which that member has a conflicting interest (e.g., is personally involved in the activity), except to provide information requested by the IACUC, nor may a member who has a conflicting interest contribute to the constitution of a quorum;

(3) The IACUC may invite consultants to assist in the review of complex issues arising out of its review of proposed activities. Consultants may not approve or withhold approval of an activity, and may not vote with the IACUC unless they are also members of the IACUC;

(4) The IACUC shall notify principal investigators and the research facility in writing of its decision to approve or withhold approval of those activities related to the care and use of animals, or of modifications required to secure IACUC approval. If the IACUC decides to withhold approval of an activity, it shall include in its written notification a statement of the reasons for its decision and give the principal investigator an opportunity to respond in person or in writing. The IACUC may reconsider its decision, with documentation in Committee minutes, in light of the information provided by the principal investigator;

(5) The IACUC shall conduct continuing reviews of activities covered by this subchapter at appropriate intervals as determined by the IACUC, but not less than annually;

(6) The IACUC may suspend an activity that it previously approved if it determines that the activity is not being conducted in accordance with the description of that activity provided by the principal investigator and approved by the Committee. The IACUC may suspend an activity only after review of the matter at a convened meeting of a quorum of the IACUC and with the suspension vote of a majority of the quorum present;

(7) If the IACUC suspends an activity involving animals, the Institutional Official, in consultation with the IACUC, shall review the reasons for suspension, take appropriate corrective action, and report that action with a full explanation to APHIS and any Federal agency funding that activity; and

(8) Proposed activities and proposed significant changes in ongoing activities that have been approved by the IACUC may be subject to further appropriate review and approval by officials of the research facility. However, those officials may not approve an activity involving the care and use of animals if it has not been approved by the IACUC.

(e) A proposal to conduct an activity involving animals, or to make a significant change in an ongoing activity involving animals, must contain the following:

(1) Identification of the species and the approximate number of animals to be used;

(2) A rationale for involving animals, and for the appropriateness of the species and numbers of animals to be used;

(3) A complete description of the proposed use of the animals;

(4) A description of procedures designed to assure that discomfort and pain to animals will be limited to that which is unavoidable for the conduct of scientifically valuable research, including provision for the use of analgesic, anesthetic, and tranquilizing drugs where indicated and appropriate to minimize discomfort and pain to animals; and

(5) A description of any euthanasia method to be used.

[54 FR 36147, August 31, 1989, as amended by 59 FR 67611, Dec. 30, 1994; 63 FR 62926, Nov. 10, 1998]

§ 2.32 Personnel qualifications.

(a) It shall be the responsibility of the research facility to ensure that all scientists, research technicians, animal technicians, and other personnel involved in animal care, treatment, and use are qualified to perform their duties. This responsibility shall be fulfilled in part through the provision of training and instruction to those personnel.

(b) Training and instruction shall be made available, and the qualifications of personnel reviewed, with sufficient frequency to fulfill the research facility's responsibilities under this section and § 2.31.

(c) Training and instruction of personnel must include guidance in at least the following areas:

(1) Humane methods of animal maintenance and experimentation, including:

(i) The basic needs of each species of animal;

(ii) Proper handling and care for the various species of animals used by the facility;

(iii) Proper pre-procedural and post-procedural care of animals; and

(iv) Aseptic surgical methods and procedures;

(2) The concept, availability, and use of research or testing methods that limit the use of animals or minimize animal distress;

(3) Proper use of anesthetics, analgesics, and tranquilizers for any species of animals used by the facility;

(4) Methods whereby deficiencies in animal care and treatment are reported, including deficiencies in animal care and treatment reported by any employee of the facility. No facility employee, Committee member, or laboratory personnel shall be discriminated against or be subject to any reprisal for reporting violations of any regulation or standards under the Act;

(5) Utilization of services (e.g., National Agricultural Library, National Library of Medicine) available to provide information:

(i) On appropriate methods of animal care and use;

(ii) On alternatives to the use of live animals in research;

(iii) That could prevent unintended and unnecessary duplication of research involving animals; and

(iv) Regarding the intent and requirements of the Act.

§ 2.33 Attending veterinarian and adequate veterinary care.

(a) Each research facility shall have an attending veterinarian who shall provide adequate veterinary care to its animals in compliance with this section:

(1) Each research facility shall employ an attending veterinarian under formal arrangements. In the case of a part-time attending veterinarian or consultant arrangements, the formal arrangements shall include a written program of veterinary care and regularly scheduled visits to the research facility;

(2) Each research facility shall assure that the attending veterinarian has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use; and

(3) The attending veterinarian shall be a voting member of the IACUC; *Provided, however,* That a research facility with more than one Doctor of Veterinary Medicine (DVM) may appoint to

the IACUC another DVM with delegated program responsibility for activities involving animals at the research facility.

(b) Each research facility shall establish and maintain programs of adequate veterinary care that include:

(1) The availability of appropriate facilities, personnel, equipment, and services to comply with the provisions of this subchapter;

(2) The use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries, and the availability of emergency, weekend, and holiday care;

(3) Daily observation of all animals to assess their health and well-being; *Provided, however,* That daily observation of animals may be accomplished by someone other than the attending veterinarian; and *Provided, further,* That a mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian;

(4) Guidance to principal investigators and other personnel involved in the care and use of animals regarding handling, immobilization, anesthesia, analgesia, tranquilization, and euthanasia; and

(5) Adequate pre-procedural and post-procedural care in accordance with current established veterinary medical and nursing procedures.

§ 2.34 [Reserved]

§ 2.35 Recordkeeping requirements.

(a) The research facility shall maintain the following IACUC records:

(1) Minutes of IACUC meetings, including records of attendance, activities of the Committee, and Committee deliberations;

(2) Records of proposed activities involving animals and proposed significant changes in activities involving animals, and whether IACUC approval was given or withheld; and

(3) Records of semiannual IACUC reports and recommendations (including minority views), prepared in accordance with the requirements of § 2.31(c)(3) of this subpart, and forwarded to the Institutional Official.

(b) Every research facility shall make, keep, and maintain records or forms which fully and correctly disclose the following information concerning each live dog or cat purchased or otherwise acquired, owned, held, or otherwise in their possession or under their control, transported, euthanized, sold, or otherwise disposed of by the research facility. The records shall include any offspring born of any animal while in the research facility's possession or under its control:

(1) The name and address of the person from whom a dog or cat was purchased or otherwise acquired, whether or not the person is required to be licensed or registered under the Act;

(2) The USDA license or registration number of the person if he or she is licensed or registered under the Act;

(3) The vehicle license number and state, and the driver's license number and state of the person, if he or she is not licensed or registered under the Act;

(4) The date of acquisition of each dog or cat;

(5) The official USDA tag number or tattoo assigned to each dog or cat under § 2.38(g) of this subpart;

(6) A description of each dog or cat which shall include:

(i) The species and breed or type of animal;

(ii) The sex;

(iii) The date of birth or approximate age; and

(iv) The color and any distinctive markings;

(7) Any identification number or mark assigned to each dog or cat by the research facility.

(c) In addition to the information required to be kept and maintained by every research facility concerning each live dog or cat under paragraph (a) of this section, every research facility transporting, selling, or otherwise disposing of any live dog or cat to another person, shall make and maintain records or forms which fully and correctly disclose the following information:

(1) The name and address of the person to whom a live dog or cat is transported, sold, or otherwise disposed of;

(2) The date of transportation, sale, euthanasia, or other disposition of the animal; and

(3) The method of transportation, including the name of the initial carrier or intermediate handler, or if a privately owned vehicle is used to transport the dog or cat, the name of the owner of the privately owned vehicle.

(d)(1) The USDA Interstate and International Certificate of Health Examination for Small Animals (APHIS Form 7001/VS Form 18–1) and Record of Aquisition and Dogs and Cats on Hand (APHIS Form 7005/VS Form 18–5) are forms which may be used by research facilities to keep and maintain the information required by paragraph (b) of this section.

(2) The USDA Interstate and International Certificate of Health Examination for Small Animals (APHIS Form 7001/VS Form 18–1) and Record of Disposition of Dogs and Cats (APHIS Form 7006/VS Form 18–6) are forms which may be used by research facilities to keep and maintain the information required by paragraph (c) of this section.

(e) One copy of the record containing the information required by paragraphs (b) and (c) of this section shall accompany each shipment of any live dog or cat sold or otherwise disposed of by a research facility; *Provided, however,* That, except as provided in §2.133 of this part, information that indicates the source and date of acquisition of any dog or cat need not appear on the copy of the record accompanying the shipment. One copy of the record containing the information required by paragraphs (b) and (c) of this section shall be retained by the research facility.

(f) All records and reports shall be maintained for at least three years. Records that relate directly to proposed activities and proposed significant changes in ongoing activities reviewed and approved by the IACUC shall be maintained for the duration of the activity and for an additional three years after completion of the activity. All records shall be available for inspection and copying by authorized APHIS or funding Federal agency representatives at reasonable times. APHIS inspectors will maintain the confidentiality of the information and will not remove the materials from the research facilities' premises unless there has been an alleged violation, they are needed to investigate a possible violation, or for other enforcement purposes. Release of any such materials, including reports, summaries, and photographs that contain trade secrets or commercial or financial information that is privileged or confidential will be governed by applicable sections of the Freedom of Information Act. Whenever the Administrator notifies a research facility in writing that specified records shall be retained pending completion of an investigation or proceeding under the Act, the research facility shall hold those records until their disposition is authorized in writing by the Administrator.

[54 FR 36147, Aug. 31, 1989, as amended at 58 FR 39129, July 22, 1993; 60 FR 13895, Mar. 15, 1995]

§ 2.36 Annual report.

(a) The reporting facility shall be that segment of the research facility, or that department, agency, or instrumentality of the United States, that uses or intends to use live animals in research, tests, experiments, or for teaching. Each reporting facility shall submit an annual report to the AC Regional Director for the State where the facility is located on or before December 1 of each calendar year. The report shall be signed and certified by the CEO or Institutional Official, and shall cover the previous Federal fiscal year.

(b) The annual report shall:

(1) Assure that professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by the research facility;

(2) Assure that each principal investigator has considered alternatives to painful procedures;

(3) Assure that the facility is adhering to the standards and regulations under the Act, and that it has required that exceptions to the standards and regulations be specified and explained

by the principal investigator and approved by the IACUC. A summary of all such exceptions must be attached to the facility's annual report. In addition to identifying the IACUC-approved exceptions, this summary must include a brief explanation of the exceptions, as well as the species and number of animals affected;

(4) State the location of all facilities where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes;

(5) State the common names and the numbers of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. Routine procedures (e.g., injections, tattooing, blood sampling) should be reported with this group;

(6) State the common names and the numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used;

(7) State the common names and the numbers of animals upon which teaching, experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used shall be attached to the annual report;

(8) State the common names and the numbers of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62926, Nov. 10, 1998]

§ 2.37 Federal research facilities.

Each Federal research facility shall establish an Institutional Animal Care and Use Committee which shall have the same composition, duties, and responsibilities required of nonfederal research facilities by § 2.31 with the following exceptions:

(a) The Committee shall report deficiencies to the head of the Federal agency conducting the research rather than to APHIS; and

(b) The head of the Federal agency conducting the research shall be responsible for all corrective action to be taken at the facility and for the granting of all exceptions to inspection protocol.

§ 2.38 Miscellaneous.

(a) *Information as to business: furnishing of same by research facilities.* Each research facility shall furnish to any APHIS official any information concerning the business of the research facility which the APHIS official may request in connection with the enforcement of the provisions of the Act, the regulations, and the standards in this subchapter. The information shall be furnished within a reasonable time and as may be specified in the request for information.

(b) *Access and inspection of records and property.* (1) Each research facility shall, during business hours, allow APHIS officials:

(i) To enter its place of business;

(ii) To examine records required to be kept by the Act and the regulations in this part;

(iii) To make copies of the records;

(iv) To inspect the facilities, property, and animals, as the APHIS officials consider necessary to enforce the provisions of the Act, the regulations, and the standards in this subchapter; and

(v) To document, by the taking of photographs and other means, conditions and areas of noncompliance.

(2) The use of a room, table or other facilities necessary for the proper examination of the records and for inspection of the property or animals shall be extended to APHIS officials by the research facility.

(c) *Publication of names of research facilities subject to the provisions of this part.* APHIS will publish lists of research facilities registered in accordance with the provisions of this subpart in the FEDERAL REGISTER. The

lists may be obtained upon request from the AC Regional Director.

(d) *Inspection for missing animals.* Each research facility shall allow, upon request and during business hours, police or officers of other law enforcement agencies with general law enforcement authority (not those agencies whose duties are limited to enforcement of local animal regulations) to enter its place of business to inspect animals and records for the purpose of seeking animals that are missing, under the following conditions:

(1) The police or other law officer shall furnish to the research facility a written description of the missing animal and the name and address of its owner before making a search;

(2) The police or other law officer shall abide by all security measures required by the research facility to prevent the spread of disease, including the use of sterile clothing, footwear, and masks where required, or to prevent the escape of an animal.

(e) *Confiscation and destruction of animals.* (1) If an animal being held by a research facility is not being used to carry out research, testing, or experimentation, and is found by an APHIS official to be suffering as a result of the failure of the research facility to comply with any provision of the regulations or the standards set forth in this subchapter, the APHIS official shall make a reasonable effort to notify the research facility of the condition of the animal(s) and request that the condition be corrected and that adequate care be given to alleviate the animal's suffering or distress, or that the animal(s) be destroyed by euthanasia. In the event that the research facility refuses to comply with this request, the APHIS official may confiscate the animal(s) for care, treatment, or disposal as indicated in paragraph (e)(2) of this section, if, in the opinion of the Administrator, the circumstances indicate the animal's health is in danger.

(2) In the event that the APHIS official is unable to locate or notify the research facility as required in this section, the APHIS official shall contact a local police or other law officer to accompany him or her to the premises and shall provide for adequate care when necessary to alleviate the animal's suffering. If, in the opinion of the Administrator, the condition of the animal(s) cannot be corrected by this temporary care, the APHIS official shall confiscate the animal(s).

(3) Confiscated animals may be placed, by sale or donation, with other registrants or licensees that comply with the standards and regulations and can provide proper care, or they may be euthanized. The research facility from which the animals were confiscated shall bear all costs incurred in performing the placement or euthanasia activities authorized by this section.

(f) *Handling.* (1) Handling of all animals shall be done as expeditiously and carefully as possible in a manner that does not cause trauma, overheating, excessive cooling, behavioral stress, physical harm, or unnecessary discomfort.

(2)(i) Physical abuse shall not be used to train, work, or otherwise handle animals.

(ii) Deprivation of food or water shall not be used to train, work, or otherwise handle animals; *Provided, however:* That the short-term withholding of food or water from animals, when specified in an IACUC-approved activity that includes a description of monitoring procedures, is allowed by these regulations.

(g) *Identification of dogs and cats.* (1) All live dogs or cats, including those from any exempt source, delivered for transportation, transported, purchased or otherwise acquired. sold, or disposed of by a research facility, shall be identified at the time of such delivery for transportation, purchase, sale, disposal, or acquisition in one of the following ways:

(i) By the official tag or tattoo which was affixed to the animal at the time it was acquired by the research facility, as required by this section; or

(ii) By a tag, tattoo, or collar, applied to the live dog or cat by the research facility and which individually identifies the dog or cat by number.

(2) All official tag or tattoo numbers shall be correctly listed in the records of purchase, acquisition, disposal, or sale which shall be maintained in accordance with § 2.35.

(3) Unweaned puppies or kittens need not be individually identified while they are maintained as a litter with their dam in the same primary enclosure, provided the dam has been individually identified.

(4) The official tag shall be made of a durable alloy such as brass, bronze, or steel, or of a durable plastic. Aluminum of a sufficient thickness to assure the tag is durable and legible may also be used. The tag may be circular in shape and not less than 1¼ inches in diameter, or oblong and flat in shape and not less than 2 inches by ¾ inch, and riveted to an acceptable collar.

(5) Each tag shall have the following information embossed or stamped on so that it is easily readable:

(i) The letters ''USDA'';

(ii) Numbers identifying the State and dealer, exhibitor, or research facility (e.g., 39–AB); and

(iii) Numbers identifying the animal (e.g., 82488).

(6) Official tags shall be serially numbered and shall be applied to dogs or cats in the manner set forth in this section in as close to consecutive numerical order as possible. No tag number shall be used to identify more than one animal or shall be reused within a 5-year period.

(7) Research facilities may obtain, at their own expense, official tags from commercial tag manufacturers.[1] At the time the research facility is registered, the Department will assign identification letters and numbers to be used on the official tags.

(8) Each research facility shall be held accountable for all official tags acquired. In the event an official tag is lost from a dog or cat while in the possession of a research facility, the facility shall make a diligent effort to locate and reapply the tag to the proper animal. If the lost tag is not located, the research facility shall affix another official tag to the animal in the manner prescribed in this section and record the tag number on the official records.

[1] A list of the commercial manufacturers who produce these tags and are known to the Department may be obtained from the AC Regional Director. Any manufacturer who desires to be included in the list should notify the Administrator.

(9) When a dog or cat wearing or identified by an official tag arrives at a research facility, the facility may continue to use that tag to identify the dog or cat or the tag may be replaced as indicated in paragraph (g)(1) of this section. All tags removed by a research facility shall be retained and disposed of as indicated in this section.

(10) Where a dog or cat to which is affixed or which is identified by an official tag is euthanized, or dies from other causes, the research facility shall remove and retain the tag for the required period, as set forth in paragraph (g)(11) of this section.

(11) All official tags removed and retained by a research facility shall be held until called for by an APHIS official or for a period of 1 year.

(12) When official tags are removed from animals for disposal, the tags must be disposed of so as to preclude their reuse for animal identification. No animal identification number shall be used within any 5-year period following its previous use.

(h) *Health certification.* (1) No research facility, including a Federal research facility, shall deliver to any intermediate handler or carrier for transportation, in commerce, or shall transport in commerce any dog, cat, or nonhuman primate unless the dog, cat, or nonhuman primate is accompanied by a health certificate executed and issued by a licensed veterinarian. The health certificate shall state that:

(i) The licensed veterinarian inspected the dog, cat, or nonhuman primate on a specified date which shall not be more than 10 days prior to the delivery of the dog, cat, or nonhuman primate for transportation; and

(ii) When so inspected, the dog, cat, or nonhuman primate appeared to the licensed veterinarian to be free of any infectious disease or physical abnormality which would endanger the animal(s) or other animals or endanger public health.

(2) The Secretary may provide exceptions to the health certification requirement on an individual basis for animals shipped to a research facility for purposes of research, testing, or experimentation when the research facility requires animals not eligible for

certification. Requests should be addressed to the Animal and Plant Health Inspection Service, Animal Care, 4700 River Road, Unit 84, Riverdale, Maryland 20737–1234.

(3) The U.S. Interstate and International Certificate of Health Examination for Small Animals (APHIS Form 7001/VS Form 18–1) may be used for health certification by a licensed veterinarian as required by this section.

(i) *Holding of animals.* If any research facility obtains prior approval of the AC Regional Director, it may arrange to have another person hold animals: *Provided,* That:

(1) The other person agrees, in writing, to comply with the regulations in this part and the standards in part 3 of this subchapter, and to allow inspection of the premises by an APHIS official during business hours;

(2) The animals remain under the total control and responsibility of the research facility; and

(3) The Institutional Official agrees, in writing, that the other person or premises is a recognized animal site under its research facility registration. APHIS Form 7009/VS Form 18–9 shall be used for approval.

(j) *Holding period.* Research facilities that obtain dogs and cats from sources other than dealers, exhibitors, and exempt persons shall hold the animals for 5 full days, not including the day of acquisition, after acquiring the animal, excluding time in transit, before they may be used by the facility. Research facilities shall comply with the identification of animals requirements set forth in § 2.38(g) during this period.

(k) *Compliance with standards and prohibitions.* (1) Each research facility shall comply in all respects with the regulations set forth in subpart C of this part and the standards set forth in part 3 of this subchapter for the humane handling, care, treatment, housing, and transportation of animals; *Provided, however,* That exceptions to the standards in part 3 and the provisions of subpart C of this part may be made only when such exceptions are specified and justified in the proposal to conduct the activity and are approved by the IACUC.

(2) No person shall obtain live random source dogs or cats by use of false pretenses, misrepresentation, or deception.

(3) No person shall acquire, buy, sell, exhibit, use for research, transport, or offer for transportation, any stolen animal.

(4) Each research facility shall comply with the regulations set forth in § 2.133 of subpart I of this part.

[54 FR 36147, Aug. 31, 1989, as amended at 58 FR 39129, July 22, 1993; 59 FR 67612, Dec. 30, 1994; 60 FR 13895, Mar. 15, 1995; 63 FR 62926, Nov. 10, 1998]

Subpart D—Attending Veterinarian and Adequate Veterinary Care

§ 2.40 Attending veterinarian and adequate veterinary care (dealers and exhibitors).

(a) Each dealer or exhibitor shall have an attending veterinarian who shall provide adequate veterinary care to its animals in compliance with this section.

(1) Each dealer and exhibitor shall employ an attending veterinarian under formal arrangements. In the case of a part-time attending veterinarian or consultant arrangements, the formal arrangements shall include a written program of veterinary care and regularly scheduled visits to the premises of the dealer or exhibitor; and

(2) Each dealer and exhibitor shall assure that the attending veterinarian has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

(b) Each dealer or exhibitor shall establish and maintain programs of adequate veterinary care that include:

(1) The availability of appropriate facilities, personnel, equipment, and services to comply with the provisions of this subchapter;

(2) The use of appropriate methods to prevent, control, diagnose, and treat diseases and injuries, and the availability of emergency, weekend, and holiday care;

(3) Daily observation of all animals to assess their health and well-being; *Provided, however,* That daily observation of animals may be accomplished by someone other than the attending

veterinarian; and *Provided, further,* That a mechanism of direct and frequent communication is required so that timely and accurate information on problems of animal health, behavior, and well-being is conveyed to the attending veterinarian;

(4) Adequate guidance to personnel involved in the care and use of animals regarding handling, immobilization, anesthesia, analgesia, tranquilization, and euthanasia; and

(5) Adequate pre-procedural and post-procedural care in accordance with established veterinary medical and nursing procedures.

Subpart E—Identification of Animals

§ 2.50 Time and method of identification.

(a) A class ''A'' dealer (breeder) shall identify all live dogs and cats on the premises as follows:

(1) All live dogs and cats held on the premises, purchased, or otherwise acquired, sold or otherwise disposed of, or removed from the premises for delivery to a research facility or exhibitor or to another dealer, or for sale, through an auction sale or to any person for use as a pet, shall be identified by an official tag of the type described in § 2.51 affixed to the animal's neck by means of a collar made of material generally considered acceptable to pet owners as a means of identifying their pet dogs or cats[2], or shall be identified by a distinctive and legible tattoo marking acceptable to and approved by the Administrator.

(2) Live puppies or kittens, less than 16 weeks of age, shall be identified by:

(i) An official tag as described in § 2.51;

(ii) A distinctive and legible tattoo marking approved by the Administrator; or

(iii) A plastic-type collar acceptable to the Administrator which has legibly placed thereon the information required for an official tag pursuant to § 2.51.

(b) A class ''B'' dealer shall identify all live dogs and cats under his or her control or on his or her premises as follows:

(1) When live dogs or cats are held, purchased, or otherwise acquired, they shall be immediately identified:

(i) By affixing to the animal's neck an official tag as set forth in § 2.51 by means of a collar made of material generally acceptable to pet owners as a means of identifying their pet dogs or cats[3]; or

(ii) By a distinctive and legible tattoo marking approved by the Administrator.

(2) If any live dog or cat is already identified by an official tag or tattoo which has been applied by another dealer or exhibitor, the dealer or exhibitor who purchases or otherwise acquires the animal may continue identifying the dog or cat by the previous identification number, or may replace the previous tag with his own official tag or approved tattoo. In either case, the class B dealer or class C exhibitor shall correctly list all old and new official tag numbers or tattoos in his or her records of purchase which shall be maintained in accordance with §§ 2.75 and 2.77. Any new official tag or tattoo number shall be used on all records of any subsequent sales by the dealer or exhibitor, of any dog or cat.

(3) Live puppies or kittens less than 16 weeks of age, shall be identified by:

(i) An official tag as described in § 2.51;

(ii) A distinctive and legible tattoo marking approved by the Administrator; or

(iii) A plastic-type collar acceptable to the Administrator which has legibly placed thereon the information required for an official tag pursuant to § 2.51.

(4) When any dealer has made a reasonable effort to affix an official tag to

[2] In general, well fitted collars made of leather or plastic will be acceptable under this provision. The use of certain types of chains presently used by some dealers may also be deemed acceptable. APHIS will determine the acceptability of a material proposed for usage as collars from the standpoint of humane considerations on an individual basis in consultation with the dealer or exhibitor involved. The use of materials such as wire, elastic, or sharp metal that might cause discomfort or injury to the dogs or cats is not acceptable.

[3] See footnote 2 in § 2.50(a)(1).

a cat, as set forth in paragraphs (a) and (b) of this section, and has been unable to do so, or when the cat exhibits serious distress from the attachment of a collar and tag, the dealer shall attach the collar and tag to the door of the primary enclosure containing the cat and take measures adequate to maintain the identity of the cat in relation to the tag. Each primary enclosure shall contain no more than one weaned cat without an affixed collar and official tag, unless the cats are identified by a distinctive and legible tattoo or plastic-type collar approved by the Administrator.

(c) A class ''C'' exhibitor shall identify all live dogs and cats under his or her control or on his or her premises, whether held, purchased, or otherwise acquired:

(1) As set forth in paragraph (b)(1) or (b)(3) of this section, or

(2) By identifying each dog or cat with:

(i) An official USDA sequentially numbered tag that is kept on the door of the animal's cage or run;

(ii) A record book containing each animal's tag number, a written description of each animal, the data required by §2.75(a), and a clear photograph of each animal; and

(iii) A duplicate tag that accompanies each dog or cat whenever it leaves the compound or premises.

(d) Unweaned puppies or kittens need not be individually identified as required by paragraphs (a) and (b) of this section while they are maintained as a litter with their dam in the same primary enclosure, provided the dam has been individually identified.

(e)(1) All animals, except dogs and cats, delivered for transportation, transported, purchased, sold, or otherwise acquired or disposed of by any dealer or exhibitor shall be identified by the dealer or exhibitor at the time of delivery for transportation, purchase, sale, acquisition or disposal, as provided for in this paragraph and in records maintained as required in §§2.75 and 2.77.

(2) When one or more animals, other than dogs or cats, are confined in a primary enclosure, the animal(s) shall be identified by:

(i) A label attached to the primary enclosure which shall bear a description of the animals in the primary enclosure, including:

(A) The number of animals;

(B) The species of the animals;

(C) Any distinctive physical features of the animals; and

(D) Any identifying marks, tattoos, or tags attached to the animals;

(ii) Marking the primary enclosure with a painted or stenciled number which shall be recorded in the records of the dealer or exhibitor together with:

(A) A description of the animal(s);

(B) The species of the animal(s); and

(C) Any distinctive physical features of the animal(s); or

(iii) A tag or tattoo applied to each animal in the primary enclosure by the dealer or exhibitor which individually identifies each animal by description or number.

(3) When any animal, other than a dog or cat, is not confined in a primary enclosure, it shall be identified on a record, as required by §2.75, which shall accompany the animal at the time it is delivered for transportation, transported, purchased, or sold, and shall be kept and maintained by the dealer or exhibitor as part of his or her records.

§ 2.51 Form of official tag.

(a) The official tag shall be made of a durable alloy such as brass, bronze, or steel, or of a durable plastic. Aluminum of a sufficient thickness to assure the tag is durable and legible may also be used. The tag shall be one of the following shapes:

(1) Circular in shape and not less than 1¼ inches in diameter, or

(2) Oblong and flat in shape, not less than 2 inches by ¾ inch and riveted to an acceptable collar.

(b) Each tag shall have the following information embossed or stamped on so that it is easily readable:

(1) The letters ''USDA'';

(2) Numbers identifying the State and dealer, exhibitor, or research facility (*e.g.*, 39–AB); and

(3) Numbers identifying the animal (*e.g.*, 82488).

(c) Official tags shall be serially numbered. No individual dealer or exhibitor shall use any identification tag

number more than once within a 5-year period.

§ 2.52 How to obtain tags.

Dealers or exhibitors may obtain, at their own expense, official tags from commercial tag manufacturers.[4] At the time the dealer or exhibitor is issued a license or is registered, the Department will assign identification letters and numbers and inform them of the identification letters and numbers to be used on the official tags.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62927, Nov. 10, 1998]

§ 2.53 Use of tags.

Official tags obtained by a dealer, exhibitor, or research facility, shall be applied to dogs or cats in the manner set forth in § 2.50 and in as close to consecutive numerical order as possible. No tag number shall be used to identify more than one animal. No number shall be repeated within a 5-year period.

§ 2.54 Lost tags.

Each dealer or exhibitor shall be held accountable for all official tags acquired. In the event an official tag is lost from a dog or cat while in the possession of a dealer or exhibitor, the dealer or exhibitor shall make a diligent effort to locate and reapply the tag to the proper animal. If the lost tag is not located, the dealer or exhibitor shall affix another official tag to the animal in the manner prescribed in § 2.50, and record the tag number on the official records.

§ 2.55 Removal and disposal of tags.

(a) Where a dog or cat to which is affixed or which is identified by an official tag is euthanized, or dies from other causes, the dealer or exhibitor shall remove and retain the tag for the required period, as set forth in paragraph (b) of this section.

(b) All official tags removed and retained by a dealer or exhibitor shall be held until called for by an APHIS official or for a period of 1 year.

(c) When official tags are removed from animals for disposal, the tags must be disposed of so as to preclude their reuse for animal identification. No animal identification number shall be used within any 5-year period following its previous use.

Subpart F—Stolen Animals

§ 2.60 Prohibition on the purchase, sale, use, or transportation of stolen animals.

No person shall buy, sell, exhibit, use for research, transport, or offer for transportation, any stolen animal.

Subpart G—Records

§ 2.75 Records: Dealers and exhibitors.

(a)(1) Each dealer, other than operators of auction sales and brokers to whom animals are consigned, and each exhibitor shall make, keep, and maintain records or forms which fully and correctly disclose the following information concerning each dog or cat purchased or otherwise acquired, owned, held, or otherwise in his or her possession or under his or her control, or which is transported, euthanized, sold, or otherwise disposed of by that dealer or exhibitor. The records shall include any offspring born of any animal while in his or her possession or under his or her control.

(i) The name and address of the person from whom a dog or cat was purchased or otherwise acquired whether or not the person is required to be licensed or registered under the Act;

(ii) The USDA license or registration number of the person if he or she is licensed or registered under the Act;

(iii) The vehicle license number and state, and the driver's license number and state of the person, if he or she is not licensed or registered under the Act;

(iv) The name and address of the person to whom a dog or cat was sold or given and that person's license or registration number if he or she is licensed or registered under the Act;

(v) The date a dog or cat was acquired or disposed of, including by euthanasia;

[4] A list of the commercial manufacturers who produce these tags and are known to the Department may be obtained from the AC Regional Director. Any manufacturer who desires to be included in the list should notify the Administrator.

(vi) The official USDA tag number or tattoo assigned to a dog or cat under §§ 2.50 and 2.54;

(vii) A description of each dog or cat which shall include:

(A) The species and breed or type;

(B) The sex;

(C) The date of birth or approximate age; and

(D) The color and any distinctive markings;

(viii) The method of transportation including the name of the initial carrier or intermediate handler or, if a privately owned vehicle is used to transport a dog or cat, the name of the owner of the privately owned vehicle;

(ix) The date and method of disposition of a dog or cat, e.g., sale, death, euthanasia, or donation.

(2) Each dealer and exhibitor shall use Record of Aquisition and Dogs and Cats on Hand (APHIS Form 7005/VS Form 18–5) and Record of Disposition of Dogs and Cats (APHIS Form 7006/VS Form 18–6) to make, keep, and maintain the information required by paragraph (a)(1) of this section: *Provided*, that if a dealer or exhibitor who uses a computerized recordkeeping system believes that APHIS Form 7005/VS Form 18–5 and APHIS Form 7006/VS Form 18–6 are unsuitable for him or her to make, keep, and maintain the information required by paragraph (a)(1) of this section, the dealer or exhibitor may request a variance from the requirement to use APHIS Form 7005/VS Form 18–5 and APHIS Form 7006/VS Form 18–6.

(i) The request for a variance must consist of a written statement describing why APHIS Form 7005/VS Form 18–5 and APHIS Form 7006/VS Form 18–6 are unsuitable for the dealer or exhibitor to make, keep, and maintain the information required by paragraph (a)(1) of this section, and a description of the computerized recordkeeping system the person would use in lieu of APHIS Form 7005/VS Form 18–5 and APHIS Form 7006/VS Form 18–6 to make, keep, and maintain the information required by paragraph (a)(1) of this section. APHIS will advise the person as to the disposition of his or her request for a variance from the requirement to use APHIS Form 7005/VS Form 18–5 and APHIS Form 7006/VS Form 18–6.

(ii) A dealer or exhibitor whose request for a variance has been denied may request a hearing in accordance with the applicable rules of practice for the purpose of showing why the request for a variance should not be denied. The denial of the variance shall remain in effect until the final legal decision has been rendered.

(3) The USDA Interstate and International Certificate of Health Examination for Small Animals (APHIS Form 7001/VS Form 18–1) may be used by dealers and exhibitors to make, keep, and maintain the information required by § 2.79.

(4) One copy of the record containing the information required by paragraph (a)(1) of this section shall accompany each shipment of any dog or cat purchased or otherwise acquired by a dealer or exhibitor. One copy of the record containing the information required by paragraph (a)(1) of this section shall accompany each shipment of any dog or cat sold or otherwise disposed of by a dealer or exhibitor: *Provided*, *however*, that, except as provided in § 2.133(b) of this part for dealers, information that indicates the source and date of acquisition of a dog or cat need not appear on the copy of the record accompanying the shipment. One copy of the record containing the information required by paragraph (a)(1) of this section shall be retained by the dealer or exhibitor.

(b)(1) Every dealer other than operators of auction sales and brokers to whom animals are consigned, and exhibitor shall make, keep, and maintain records or forms which fully and correctly disclose the following information concerning animals other than dogs and cats, purchased or otherwise acquired, owned, held, leased, or otherwise in his or her possession or under his or her control, or which is transported, sold, euthanized, or otherwise disposed of by that dealer or exhibitor. The records shall include any offspring born of any animal while in his or her possession or under his or her control.

(i) The name and address of the person from whom the animals were purchased or otherwise acquired;

(ii) The USDA license or registration number of the person if he or she is licensed or registered under the Act;

(iii) The vehicle license number and state, and the driver's license number and state of the person, if he or she is not licensed or registered under the Act;

(iv) The name and address of the person to whom an animal was sold or given;

(v) The date of purchase, acquisition, sale, or disposal of the animal(s);

(vi) The species of the animal(s); and

(vii) The number of animals in the shipment.

(2) Record of Animals on Hand (other than dogs and cats) (APHIS Form 7019/VS Form 18–19) and Record of Acquisition, Disposition, or Transport of Animals (other than dogs and cats) (APHIS Form 7020/VS Form 18–20) are forms which may be used by dealers and exhibitors to keep and maintain the information required by paragraph (b)(1) of this section concerning animals other than dogs and cats except as provided in § 2.79.

(3) One copy of the record containing the information required by paragraph (b)(1) of this section shall accompany each shipment of any animal(s) other than a dog or cat purchased or otherwise acquired by a dealer or exhibitor. One copy of the record containing the information required by paragraph (b)(1) of this section shall accompany each shipment of any animal other than a dog or cat sold or otherwise disposed of by a dealer or exhibitor; *Provided, however,* That information which indicates the source and date of acquisition of any animal other than a dog or cat need not appear on the copy of the record accompanying the shipment. The dealer or exhibitor shall retain one copy of the record containing the information required by paragraph (b)(1) of this section.

[54 FR 36147, Aug. 31, 1989, as amended at 58 FR 39129, July 22, 1993; 58 FR 45041, Aug. 26, 1993; 60 FR 13895, Mar. 15, 1995]

§ 2.76 Records: Operators of auction sales and brokers.

(a) Every operator of an auction sale or broker shall make, keep, and maintain records or forms which fully and correctly disclose the following information concerning each animal consigned for auction or sold, whether or not a fee or commission is charged:

(1) The name and address of the person who owned or consigned the animal(s) for sale;

(2) The name and address of the buyer or consignee who received the animal;

(3) The USDA license or registration number of the person(s) selling, consigning, buying, or receiving the animals if he or she is licensed or registered under the Act;

(4) The vehicle license number and state, and the driver's license number and state of the person, if he or she is not licensed or registered under the Act;

(5) The date of the consignment;

(6) The official USDA tag number or tattoo assigned to the animal under §§ 2.50 and 2.54;

(7) A description of the animal which shall include:

(i) The species and breed or type of animal;

(ii) The sex of the animal; and

(iii) The date of birth or approximate age; and

(iv) The color and any distinctive markings;

(8) The auction sales number or records number assigned to the animal.

(b) One copy of the record containing the information required by paragraph (a) of this section shall be given to the consignor of each animal, one copy of the record shall be given to the purchaser of each animal: *Provided, however,* That information which indicates the source and date of consignment of any animal need not appear on the copy of the record given the purchaser of any animal. One copy of the record containing the information required by paragraph (a) of this section shall be retained by the operator of such auction sale, or broker, for each animal sold by the auction sale or broker.

§ 2.77 Records: Carriers and intermediate handlers.

(a) In connection with all live animals accepted for shipment on a C.O.D. basis or other arrangement or practice under which the cost of an animal or the transportation of an animal is to be paid and collected upon delivery of the animal to the consignee, the accepting carrier or intermediate handler, if any, shall keep and maintain a

copy of the consignor's written guarantee for the payment of transportation charged for any animal not claimed as provided in §2.80, including, where necessary, both the return transportation charges and an amount sufficient to reimburse the carrier for out-of-pocket expenses incurred for the care, feeding, and storage of the animal. The carrier or intermediate handler at destination shall also keep and maintain a copy of the shipping document containing the time, date, and method of each attempted notification and the final notification to the consignee and the name of the person notifying the consignee, as provided in §2.80.

(b) In connection with all live dogs, cats, or nonhuman primates delivered for transportation, in commerce, to any carrier or intermediate handler, by any dealer, research facility, exhibitor, operator of an auction sale, broker, or department, agency or instrumentality of the United States or of any state or local government, the accepting carrier or intermediate handler shall keep and maintain a copy of the health certification completed as required by §2.79, tendered with each live dog, cat, or nonhuman primate.

§2.78 Health certification and identification.

(a) No dealer, exhibitor, operator of an auction sale, broker, or department, agency, or instrumentality of the United States or of any State or local government shall deliver to any intermediate handler or carrier for transportation, in commerce, or shall transport in commerce any dog, cat, or nonhuman primate unless the dog, cat, or nonhuman primate is accompanied by a health certificate executed and issued by a licensed veterinarian. The health certificate shall state that:

(1) The licensed veterinarian inspected the dog, cat, or nonhuman primate on a specified date which shall not be more than 10 days prior to the delivery of the dog, cat, or nonhuman primate for transportation; and

(2) when so inspected, the dog, cat, or nonhuman primate appeared to the licensed veterinarian to be free of any infectious disease or physical abnormality which would endanger the animal(s) or other animals or endanger public health.

(b) The Secretary may provide exceptions to the health certification requirement on an individual basis for animals shipped to a research facility for purposes of research, testing, or experimentation when the research facility requires animals not eligible for certification. Requests should be addressed to the Animal and Plant Health Inspection Service, Animal Care, 4700 River Road, Unit 84, Riverdale, Maryland 20737–1234.

(c) No intermediate handler or carrier to whom any live dog, cat, or nonhuman primate is delivered for transportation by any dealer, research facility, exhibitor, broker, operator of an auction sale, or department, agency, or instrumentality of the United States or any State or local government shall receive a live dog, cat, or nonhuman primate for transportation, in commerce, unless and until it is accompanied by a health certificate issued by a licensed veterinarian in accordance with paragraph (a) of this section, or an exemption issued by the Secretary in accordance with paragraph (b) of this section.

(d) The U.S. Interstate and International Certificate of Health Examination for Small Animals (APHIS Form 7001/VS Form 18–1) may be used for health certification by a licensed veterinarian as required by this section.

[54 FR 36147, August 31, 1989, as amended at 59 FR 67612, Dec. 30, 1994; 60 FR 13896, Mar. 15, 1995; 63 FR 62927, Nov. 10, 1998]

§2.79 C.O.D. shipments.

(a) No carrier or intermediate handler shall accept any animal for transportation, in commerce, upon any C.O.D. or other basis where any money is to be paid and collected upon delivery of the animal to the consignee, unless the consignor guarantees in writing the payment of all transportation, including any return transportation, if the shipment is unclaimed or the consignee cannot be notified in accordance with paragraphs (b) and (c) of this section, including reimbursing the carrier or intermediate handler for all out-of-pocket expenses incurred for the care,

feeding, and storage or housing of the animal.

(b) Any carrier or intermediate handler receiving an animal at a destination on a C.O.D. or other basis any money is to be paid and collected upon delivery of the animal to the consignee shall attempt to notify the consignee at least once every 6 hours for a period of 24 hours after arrival of the animal at the animal holding area of the terminal cargo facility. The carrier or intermediate handler shall record the time, date, and method of each attempted notification and the final notification to the consignee, and the name of the person notifying the consignee, on the shipping document and on the copy of the shipping document accompanying the C.O.D. shipment. If the consignee cannot be notified of the C.O.D. shipment within 24 hours after its arrival, the carrier or intermediate handler shall return the animal to the consignor, or to whomever the consignor has designated, on the next practical available transportation, in accordance with the written agreement required in paragraph (a) of this section and shall notify the consignor. Any carrier or intermediate handler which has notified a consignee of the arrival of a C.O.D. or other shipment of an animal, where any money is to be paid and collected upon delivery of the animal to the consignee, which is not claimed by the consignee within 48 hours from the time of notification, shall return the animal to the consignor, or to whomever the consignor has designated, on the next practical available transportation, in accordance with the written agreement required in paragraph (a) of this section and shall notify the consignor.

(c) It is the responsibility of any carrier or intermediate handler to hold, feed, and care for any animal accepted for transportation, in commerce, under a C.O.D. or other arrangement where any money is to be paid and collected upon delivery of the animal until the consignee accepts shipment at destination or until returned to the consignor or his or her designee should the consignee fail to accept delivery of the animal or if the consignee could not be notified as prescribed in paragraph (b) of this section.

(d) Nothing in this section shall be construed as prohibiting any carrier or intermediate handler from requiring any guarantee in addition to that required in paragraph (a) of this section for the payment of the cost of any transportation or out-of-pocket or other incidental expenses incurred in the transportation of any animal.

§ 2.80 Records, disposition.

(a) No dealer, exhibitor, broker, operator of an auction sale, carrier, or intermediate handler shall, for a period of 1 year, destroy or dispose of, without the consent in writing of the Administrator, any books, records, documents, or other papers required to be kept and maintained under this part.

(b) Unless otherwise specified, the records required to be kept and maintained under this part shall be held for 1 year after an animal is euthanized or disposed of and for any period in excess of one year as necessary to comply with any applicable Federal, State, or local law. Whenever the Administrator notifies a dealer, exhibitor, broker, operator of an auction sale, carrier, or intermediate handler in writing that specified records shall be retained pending completion of an investigation or proceeding under the Act, the dealer, exhibitor, broker, operator of an auction sale, carrier, or intermediate handler shall hold those records until their disposition is authorized by the Administrator.

Subpart H—Compliance With Standards and Holding Period

§ 2.100 Compliance with standards.

(a) Each dealer, exhibitor, operator of an auction sale, and intermediate handler shall comply in all respects with the regulations set forth in part 2 and the standards set forth in part 3 of this subchapter for the humane handling, care, treatment, housing, and transportation of animals.

(b) Each carrier shall comply in all respects with the regulations in part 2 and the standards in part 3 of this subchapter setting forth the conditions and requirements for the humane transportation of animals in commerce and their handling, care, and treatment in connection therewith.

§ 2.101 Holding period.

(a) Any live dog or cat acquired by a dealer[5] or exhibitor shall be held by him or her, under his or her supervision and control, for a period of not less than 5 full days, not including the day of acquisition, after acquiring the animal, excluding time in transit: *Provided, however:*

(1) That any live dog or cat acquired by a dealer or exhibitor from any private or contract animal pound or shelter shall be held by that dealer or exhibitor under his or her supervision and control for a period of not less than 10 full days, not including the day of acquisition, after acquiring the animal, excluding time in transit;

(2) Live dogs or cats which have completed a 5-day holding period with another dealer or exhibitor, or a 10-day holding period with another dealer or exhibitor if obtained from a private or contract shelter or pound, may be sold or otherwise disposed of by subsequent dealers or exhibitors after a minimum holding period of 24 hours by each subsequent dealer or exhibitor excluding time in transit;

(3) Any dog or cat suffering from disease, emaciation, or injury may be destroyed by euthanasia prior to the completion of the holding period required by this section; and

(4) Any live dog or cat, 120 days of age or less, that was obtained from the person that bred and raised such dog or cat, may be exempted from the 5-day holding requirement and may be disposed of by dealers or exhibitors after a minimum holding period of 24 hours, excluding time in transit. Each subsequent dealer or exhibitor must also hold each such dog or cat for a 24-hour period excluding time in transit.

(b) During the period in which any dog or cat is being held as required by this section, the dog or cat shall be unloaded from any means of conveyance in which it was received, for food, water, and rest, and shall be handled, cared for, and treated in accordance with the standards set forth in part 3, subpart A, of this subchapter and § 2.131.

[5] An operator of an auction sale is not considered to have acquired a dog or cat which is sold through the auction sale.

§ 2.102 Holding facility.

(a) If any dealer or exhibitor obtains the prior approval of the AC Regional Director, he may arrange to have another person hold animals for the required period provided for in paragraph (a) of § 2.101: *Provided,* That:

(1) The other person agrees in writing to comply with the regulations in part 2 and the standards in part 3 of this subchapter and to allow inspection of his premises by an APHIS official during business hours; and

(2) The animals remain under the total control and responsibility of the dealer or exhibitor.

(3) Approval will not be given for a dealer or exhibitor holding a license as set forth in § 2.1 to have animals held for purposes of this section by another licensed dealer or exhibitor. APHIS Form 7009/VS Form 18–9 shall be used for approval.

(b) If any intermediate handler obtains prior approval of the AC Regional Director, it may arrange to have another person hold animals: *Provided,* That:

(1) The other person agrees in writing to comply with the regulations in part 2 and the standards in part 3 of this subchapter and to allow inspection of the premises by an APHIS official during business hours; and

(2) The animals remain under the total control and responsibility of the research facility or intermediate handler.

[54 FR 36147, Aug. 31, 1989, as amended at 60 FR 13896, Mar. 15, 1995; 63 FR 62927, Nov. 10, 1998]

Subpart I—Miscellaneous

§ 2.125 Information as to business; furnishing of same by dealers, exhibitors, operators of auction sales, intermediate handlers, and carriers.

Each dealer, exhibitor, operator of an auction sale, intermediate handler, and carrier shall furnish to any APHIS official any information concerning the business of the dealer, exhibitor, operator of an auction sale, intermediate handler or carrier which the APHIS official may request in connection with the enforcement of the provisions of

the Act, the regulations and the standards in this subchapter. The information shall be furnished within a reasonable time and as may be specified in the request for information.

§ 2.126 Access and inspection of records and property.

(a) Each dealer, exhibitor, intermediate handler, or carrier, shall, during business hours, allow APHIS officials:

(1) To enter its place of business;

(2) To examine records required to be kept by the Act and the regulations in this part;

(3) To make copies of the records;

(4) To inspect and photograph the facilities, property and animals, as the APHIS officials consider necessary to enforce the provisions of the Act, the regulations and the standards in this subchapter; and

(5) To document, by the taking of photographs and other means, conditions and areas of noncompliance.

(b) The use of a room, table, or other facilities necessary for the proper examination of the records and inspection of the property or animals shall be extended to APHIS officials by the dealer, exhibitor, intermediate handler or carrier.

§ 2.127 Publication of names of persons subject to the provisions of this part.

APHIS will publish lists of persons licensed or registered in accordance with the provisions of this part in the FEDERAL REGISTER. The lists may be obtained upon request from the AC Regional Director.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 62927, Nov. 10, 1998]

§ 2.128 Inspection for missing animals.

Each dealer, exhibitor, intermediate handler and carrier shall allow, upon request and during business hours, police or officers of other law enforcement agencies with general law enforcement authority (not those agencies whose duties are limited to enforcement of local animal regulations) to enter his or her place of business to inspect animals and records for the purpose of seeking animals that are missing, under the following conditions:

(a) The police or other law officer shall furnish to the dealer, exhibitor, intermediate handler or carrier a written description of the missing animal and the name and address of its owner before making a search.

(b) The police or other law officer shall abide by all security measures required by the dealer, exhibitor, intermediate handler or carrier to prevent the spread of disease, including the use of sterile clothing, footwear, and masks where required, or to prevent the escape of an animal.

§ 2.129 Confiscation and destruction of animals.

(a) If an animal being held by a dealer, exhibitor, intermediate handler, or by a carrier is found by an APHIS official to be suffering as a result of the failure of the dealer, exhibitor, intermediate handler, or carrier to comply with any provision of the regulations or the standards set forth in this subchapter, the APHIS official shall make a reasonable effort to notify the dealer, exhibitor, intermediate handler, or carrier of the condition of the animal(s) and request that the condition be corrected and that adequate care be given to alleviate the animal's suffering or distress, or that the animal(s) be destroyed by euthanasia. In the event that the dealer, exhibitor, intermediate handler, or carrier refuses to comply with this request, the APHIS official may confiscate the animal(s) for care, treatment, or disposal as indicated in paragraph (b) of this section, if, in the opinion of the Administrator, the circumstances indicate the animal's health is in danger.

(b) In the event that the APHIS official is unable to locate or notify the dealer, exhibitor, intermediate handler, or carrier as required in this section, the APHIS official shall contact a local police or other law officer to accompany him to the premises and shall provide for adequate care when necessary to alleviate the animal's suffering. If in the opinion of the Administrator, the condition of the animal(s) cannot be corrected by this temporary care, the APHIS official shall confiscate the animals.

(c) Confiscated animals may be placed, by sale or donation, with other licensees or registrants which comply with the standards and regulations and can provide proper care, or they may be euthanized. The dealer, exhibitor, intermediate handler, or carrier from whom the animals were confiscated shall bear all costs incurred in performing the placement or euthanasia activities authorized by this section.

§ 2.130 Minimum age requirements.

No dog or cat shall be delivered by any person to any carrier or intermediate handler for transportation, in commerce, or shall be transported in commerce by any person, except to a registered research facility, unless such dog or cat is at least eight (8) weeks of age and has been weaned.

§ 2.131 Handling of animals.

(a)(1) Handling of all animals shall be done as expeditiously and carefully as possible in a manner that does not cause trauma, overheating, excessive cooling, behavioral stress, physical harm, or unnecessary discomfort.

(2)(i) Physical abuse shall not be used to train, work, or otherwise handle animals.

(ii) Deprivation of food or water shall not be used to train, work, or otherwise handle animals; *Provided, however,* That the short-term withholding of food or water from animals by exhibitors is allowed by these regulations as long as each of the animals affected receives its full dietary and nutrition requirements each day.

(b)(1) During public exhibition, any animal must be handled so there is minimal risk of harm to the animal and to the public, with sufficient distance and/or barriers between the animal and the general viewing public so as to assure the safety of animals and the public.

(2) Performing animals shall be allowed a rest period between performances at least equal to the time for one performance.

(3) Young or immature animals shall not be exposed to rough or excessive public handling or exhibited for periods of time which would be detrimental to their health or well-being.

(4) Drugs, such as tranquilizers, shall not be used to facilitate, allow, or provide for public handling of the animals.

(c)(1) Animals shall be exhibited only for periods of time and under conditions consistent with their good health and well-being.

(2) A responsible, knowledgeable, and readily identifiable employee or attendant must be present at all times during periods of public contact.

(3) During public exhibition, dangerous animals such as lions, tigers, wolves, bears, or elephants must be under the direct control and supervision of a knowledgeable and experienced animal handler.

(4) If public feeding of animals is allowed, the food must be provided by the animal facility and shall be appropriate to the type of animal and its nutritional needs and diet.

(d) When climatic conditions present a threat to an animal's health or well-being, appropriate measures must be taken to alleviate the impact of those conditions. An animal may never be subjected to any combination of temperature, humidity, and time that is detrimental to the animal's health or well-being, taking into consideration such factors as the animal's age, species, breed, overall health status, and acclimation.

[54 FR 36147, Aug. 31, 1989, as amended at 63 FR 10498, Mar. 4, 1998]

§ 2.132 Procurement of random source dogs and cats, dealers.

(a) A class ''B'' dealer may obtain live random source dogs and cats only from:

(1) Other dealers who are licensed under the Act and in accordance with the regulations in part 2;

(2) State, county, or city owned and operated animal pounds or shelters; and

(3) A legal entity organized and operated under the laws of the State in which it is located as an animal pound or shelter, such as a humane shelter or contract pound.

(b) A class ''B'' dealer shall not obtain live random source dogs and cats from individuals who have not bred and raised the dogs and cats on their own premises.

(c) Live nonrandom source dogs and cats may be obtained from persons who have bred and raised the dogs and cats on their own premises, such as hobby breeders.

(d) No person shall obtain live random source dogs or cats by use of false pretenses, misrepresentation, or deception.

(e) Any dealer, exhibitor, research facility, carrier, or intermediate handler who also operates a private or contract animal pound or shelter shall comply with the following:

(1) The animal pound or shelter shall be located on premises that are physically separated from the licensed or registered facility. The animal housing facility of the pound or shelter shall not be adjacent to the licensed or registered facility.

(2) Accurate and complete records shall be separately maintained by the licensee or registrant and by the pound or shelter. The records shall be in accordance with §§2.75 and 2.76, unless the animals are lost or stray. If the animals are lost or stray, the pound or shelter records shall provide:

(i) An accurate description of the animal;

(ii) How, where, from whom, and when the dog or cat was obtained;

(iii) How long the dog or cat was held by the pound or shelter before being transferred to the dealer; and

(iv) The date the dog or cat was transferred to the dealer.

(3) Any dealer who obtains or acquires a live random source dog or cat from a private or contract pound or shelter, including a pound or shelter he or she operates, shall hold the dog or cat for a period of at least 10 full days, not including the day of acquisition, excluding time in transit, after acquiring the animal, and otherwise in accordance with §2.101.

§2.133 Certification for random source dogs and cats.

(a) Each of the entities listed in paragraphs (a)(1) through (a)(3) of this section that acquire any live dog or cat shall, before selling or providing the live dog or cat to a dealer, hold and care for the dog or cat for a period of not less than 5 full days after acquiring the animal, not including the date of acquisition and excluding time in transit. This holding period shall include at least one Saturday. The provisions of this paragraph apply to:

(1) Each pound or shelter owned and operated by a State, county, or city;

(2) Each private pound or shelter established for the purpose of caring for animals, such as a humane society, or other organization that is under contract with a State, county, or city, that operates as a pound or shelter, and that releases animals on a voluntary basis; and

(3) Each research facility licensed by USDA as a dealer.

(b) A dealer shall not sell, provide, or make available to any person a live random source dog or cat unless the dealer provides the recipient of the dog or cat with certification that contains the following information:

(1) The name, address, USDA license number, and signature of the dealer;

(2) The name, address, USDA license or registration number, if such number exists, and signature of the recipient of the dog or cat;

(3) A description of each dog or cat being sold, provided, or made available that shall include:

(i) The species and breed or type (for mixed breeds, estimate the two dominant breeds or types);

(ii) The sex;

(iii) The date of birth or, if unknown, then the approximate age;

(iv) The color and any distinctive markings; and

(v) The Official USDA-approved identification number of the animal. However, if the certification is attached to a certificate provided by a prior dealer which contains the required description, then only the official identification numbers are required;

(4) The name and address of the person, pound, or shelter from which the dog or cat was acquired by the dealer, and an assurance that the person, pound, or shelter was notified that the cat or dog might be used for research or educational purposes;

(5) The date the dealer acquired the dog or cat from the person, pound, or shelter referred to in paragraph (b)(4) of this section; and

(6) If the dealer acquired the dog or cat from a pound or shelter, a signed

statement by the pound or shelter that it met the requirements of paragraph (a) of this section. This statement must at least describe the animals by their official USDA identification numbers. It may be incorporated within the certification if the dealer makes the certification at the time that the animals are acquired from the pound or shelter or it may be made separately and attached to the certification later. If made separately, it must include the same information describing each animal as is required in the certification. A photocopy of the statement will be regarded as a duplicate original.

(c) The original certification required under paragraph (b) of this section shall accompany the shipment of a live dog or cat to be sold, provided, or otherwise made available by the dealer.

(d) A dealer who acquires a live dog or cat from another dealer must obtain from that dealer the certification required by paragraph (b) of this section and must attach that certification (including any previously attached certification) to the certification which he or she provides pursuant to paragraph (b) of this section (a photocopy of the original certification will be deemed a duplicate original if the dealer does not dispose of all of the dogs or cats in a single transaction).

(e) A dealer who completes, provides, or receives a certification required under paragraph (b) of this section shall keep, maintain, and make available for APHIS inspection a copy of the certification for at least 1 year following disposition.

(f) A research facility which acquires any live random source dog or cat from a dealer must obtain the certification required under paragraph (b) of this section and shall keep, maintain, and make available for APHIS inspection the original for at least 3 years following disposition.

(g) In instances where a research facility transfers ownership of a live random source dog or cat acquired from a dealer to another research facility, a copy of the certification required by paragraph (b) of this section must accompany the dog or cat transferred. The research facility to which the dog or cat is transferred shall keep, maintain, and make available for APHIS inspection the copy of the certification for at least 3 years following disposition.

[58 FR 39129, July 22, 1993]

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AUTHORITY: 7 U.S.C. 2131–2159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 32 FR 3273, Feb. 24, 1967, unless otherwise noted.

Subpart A—Specifications for the Humane Handling, Care, Treatment, and Transportation of Dogs and Cats [1]

SOURCE: 56 FR 6486, Feb. 15, 1991, unless otherwise noted.

FACILITIES AND OPERATING STANDARDS

§ 3.1 Housing facilities, general.

(a) *Structure;* construction. Housing facilities for dogs and cats must be designed and constructed so that they are structurally sound. They must be kept in good repair, and they must protect the animals from injury, contain the animals securely, and restrict other animals from entering.

(b) *Condition and site.* Housing facilities and areas used for storing animal food or bedding must be free of any accumulation of trash, waste material, junk, weeds, and other discarded materials. Animal areas inside of housing facilities must be kept neat and free of clutter, including equipment, furniture, and stored material, but may contain materials actually used and necessary for cleaning the area, and fixtures or equipment necessary for proper husbandry practices and research needs. Housing facilities other than those maintained by research facilities and Federal research facilities must be physically separated from any other business. If a housing facility is located on the same premises as another business, it must be physically separated from the other business so that animals the size of dogs, skunks, and raccoons are prevented from entering it.

[1] These minimum standards apply only to live dogs and cats, unless stated otherwise.

(c) *Surfaces*—(1) *General requirements.* The surfaces of housing facilities—including houses, dens, and other furniture-type fixtures and objects within the facility—must be constructed in a manner and made of materials that allow them to be readily cleaned and sanitized, or removed or replaced when worn or soiled. Interior surfaces and any surfaces that come in contact with dogs or cats must:

(i) Be free of excessive rust that prevents the required cleaning and sanitization, or that affects the structural strength of the surface; and

(ii) Be free of jagged edges or sharp points that might injure the animals.

(2) *Maintenance and replacement of surfaces.* All surfaces must be maintained on a regular basis. Surfaces of housing facilities—including houses, dens, and other furniture-type fixtures and objects within the facility—that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

(3) *Cleaning.* Hard surfaces with which the dogs or cats come in contact must be spot-cleaned daily and sanitized in accordance with § 3.11(b) of this subpart to prevent accumulation of excreta and reduce disease hazards. Floors made of dirt, absorbent bedding, sand, gravel, grass, or other similar material must be raked or spot-cleaned with sufficient frequency to ensure all animals the freedom to avoid contact with excreta. Contaminated material must be replaced whenever this raking and spot-cleaning is not sufficient to prevent or eliminate odors, insects, pests, or vermin infestation. All other surfaces of housing facilities must be cleaned and sanitized when necessary to satisfy generally accepted husbandry standards and practices. Sanitization may be done using any of the methods provided in § 3.11(b)(3) for primary enclosures.

(d) *Water and electric power.* The housing facility must have reliable electric power adequate for heating, cooling, ventilation, and lighting, and for carrying out other husbandry requirements in accordance with the regulations in this subpart. The housing facility must provide adequate running potable water for the dogs' and cats' drinking needs, for cleaning, and for

carrying out other husbandry requirements.

(e) *Storage.* Supplies of food and bedding must be stored in a manner that protects the supplies from spoilage, contamination, and vermin infestation. The supplies must be stored off the floor and away from the walls, to allow cleaning underneath and around the supplies. Foods requiring refrigeration must be stored accordingly, and all food must be stored in a manner that prevents contamination and deterioration of its nutritive value. All open supplies of food and bedding must be kept in leakproof containers with tightly fitting lids to prevent contamination and spoilage. Only food and bedding that is currently being used may be kept in the animal areas. Substances that are toxic to the dogs or cats but are required for normal husbandry practices must not be stored in food storage and preparation areas, but may be stored in cabinets in the animal areas.

(f) *Drainage and waste disposal.* Housing facility operators must provide for regular and frequent collection, removal, and disposal of animal and food wastes, bedding, debris, garbage, water, other fluids and wastes, and dead animals, in a manner that minimizes contamination and disease risks. Housing facilities must be equipped with disposal facilities and drainage systems that are constructed and operated so that animal waste and water are rapidly eliminated and animals stay dry. Disposal and drainage systems must minimize vermin and pest infestation, insects, odors, and disease hazards. All drains must be properly constructed, installed, and maintained. If closed drainage systems are used, they must be equipped with traps and prevent the backflow of gases and the backup of sewage onto the floor. If the facility uses sump or settlement ponds, or other similar systems for drainage and animal waste disposal, the system must be located far enough away from the animal area of the housing facility to prevent odors, diseases, pests, and vermin infestation. Standing puddles of water in animal enclosures must be drained or mopped up so that the animals stay dry. Trash containers in housing facilities and in food storage and food preparation areas must be leakproof and must have tightly fitted lids on them at all times. Dead animals, animal parts, and animal waste must not be kept in food storage or food preparation areas, food freezers, food refrigerators, or animal areas.

(g) *Washrooms and sinks.* Washing facilities such as washrooms, basins, sinks, or showers must be provided for animal caretakers and must be readily accessible.

§ 3.2 Indoor housing facilities.

(a) *Heating, cooling, and temperature.* Indoor housing facilities for dogs and cats must be sufficiently heated and cooled when necessary to protect the dogs and cats from temperature or humidity extremes and to provide for their health and well-being. When dogs or cats are present, the ambient temperature in the facility must not fall below 50 °F (10 °C) for dogs and cats not acclimated to lower temperatures, for those breeds that cannot tolerate lower temperatures without stress or discomfort (such as short-haired breeds), and for sick, aged, young, or infirm dogs and cats, except as approved by the attending veterinarian. Dry bedding, solid resting boards, or other methods of conserving body heat must be provided when temperatures are below 50 °F (10 °C). The ambient temperature must not fall below 45 °F (7.2 °C) for more than 4 consecutive hours when dogs or cats are present, and must not rise above 85 °F (29.5 °C) for more than 4 consecutive hours when dogs or cats are present. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(b) *Ventilation.* Indoor housing facilities for dogs and cats must be sufficiently ventilated at all times when dogs or cats are present to provide for their health and well-being, and to minimize odors, drafts, ammonia levels, and moisture condensation. Ventilation must be provided by windows, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air conditioning must be provided when the ambient temperature is 85 °F (29.5 °C) or higher. The relative humidity must be maintained at a level that

ensures the health and well-being of the dogs or cats housed therein, in accordance with the directions of the attending veterinarian and generally accepted professional and husbandry practices.

(c) *Lighting.* Indoor housing facilities for dogs and cats must be lighted well enough to permit routine inspection and cleaning of the facility, and observation of the dogs and cats. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals. Primary enclosures must be placed so as to protect the dogs and cats from excessive light.

(d) *Interior surfaces.* The floors and walls of indoor housing facilities, and any other surfaces in contact with the animals, must be impervious to moisture. The ceilings of indoor housing facilities must be impervious to moisture or be replaceable (e.g., a suspended ceiling with replaceable panels).

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 10498, Mar. 4, 1998]

§ 3.3 Sheltered housing facilities.

(a) *Heating, cooling, and temperature.* The sheltered part of sheltered housing facilities for dogs and cats must be sufficiently heated and cooled when necessary to protect the dogs and cats from temperature or humidity extremes and to provide for their health and well-being. The ambient temperature in the sheltered part of the facility must not fall below 50 °F (10 °C) for dogs and cats not acclimated to lower temperatures, for those breeds that cannot tolerate lower temperatures without stress and discomfort (such as short-haired breeds), and for sick, aged, young, or infirm dogs or cats, except as approved by the attending veterinarian. Dry bedding, solid resting boards, or other methods of conserving body heat must be provided when temperatures are below 50 °F (10 °C). The ambient temperature must not fall below 45 °F (7.2 °C) for more than 4 consecutive hours when dogs or cats are present, and must not rise above 85 °F (29.5 °C) for more than 4 consecutive hours when dogs or cats are present. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(b) *Ventilation.* The enclosed or sheltered part of sheltered housing facilities for dogs and cats must be sufficiently ventilated when dogs or cats are present to provide for their health and well-being, and to minimize odors, drafts, ammonia levels, and moisture condensation. Ventilation must be provided by windows, doors, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air-conditioning, must be provided when the ambient temperature is 85 °F (29.5 °C) or higher.

(c) *Lighting.* Sheltered housing facilities for dogs and cats must be lighted well enough to permit routine inspection and cleaning of the facility, and observation of the dogs and cats. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals. Primary enclosures must be placed so as to protect the dogs and cats from excessive light.

(d) *Shelter from the elements.* Dogs and cats must be provided with adequate shelter from the elements at all times to protect their health and well-being. The shelter structures must be large enough to allow each animal to sit, stand, and lie in a normal manner and to turn about freely.

(e) *Surfaces.* (1) The following areas in sheltered housing facilities must be impervious to moisture:

(i) Indoor floor areas in contact with the animals;

(ii) Outdoor floor areas in contact with the animals, when the floor areas are not exposed to the direct sun, or are made of a hard material such as wire, wood, metal, or concrete; and

(iii) All walls, boxes, houses, dens, and other surfaces in contact with the animals.

(2) Outside floor areas in contact with the animals and exposed to the direct sun may consist of compacted earth, absorbent bedding, sand, gravel, or grass.

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 10498, Mar. 4, 1998]

§ 3.4 Outdoor housing facilities.

(a) *Restrictions.* (1) The following categories of dogs or cats must not be kept in outdoor facilities, unless that practice is specifically approved by the attending veterinarian:

(i) Dogs or cats that are not acclimated to the temperatures prevalent in the area or region where they are maintained;

(ii) Breeds of dogs or cats that cannot tolerate the prevalent temperatures of the area without stress or discomfort (such as short-haired breeds in cold climates); and

(iii) Sick, infirm, aged or young dogs or cats.

(2) When their acclimation status is unknown, dogs and cats must not be kept in outdoor facilities when the ambient temperature is less than 50°F (10°C).

(b) *Shelter from the elements.* Outdoor facilities for dogs or cats must include one or more shelter structures that are accessible to each animal in each outdoor facility, and that are large enough to allow each animal in the shelter structure to sit, stand, and lie in a normal manner, and to turn about freely. In addition to the shelter structures, one or more separate outside areas of shade must be provided, large enough to contain all the animals at one time and protect them from the direct rays of the sun. Shelters in outdoor facilities for dogs or cats must contain a roof, four sides, and a floor, and must:

(1) Provide the dogs and cats with adequate protection and shelter from the cold and heat;

(2) Provide the dogs and cats with protection from the direct rays of the sun and the direct effect of wind, rain, or snow;

(3) Be provided with a wind break and rain break at the entrance; and

(4) Contain clean, dry, bedding material if the ambient temperature is below 50°F (10°C). Additional clean, dry bedding is required when the temperature is 35°F (1.7°C) or lower.

(c) *Construction.* Building surfaces in contact with animals in outdoor housing facilities must be impervious to moisture. Metal barrels, cars, refrigerators or freezers, and the like must not be used as shelter structures. The floors of outdoor housing facilities may be of compacted earth, absorbent bedding, sand, gravel, or grass, and must be replaced if there are any prevalent odors, diseases, insects, pests, or vermin. All surfaces must be maintained on a regular basis. Surfaces of outdoor housing facilities—including houses, dens, etc.—that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

§ 3.5 Mobile or traveling housing facilities.

(a) *Heating, cooling, and temperature.* Mobile or traveling housing facilities for dogs and cats must be sufficiently heated and cooled when necessary to protect the dogs and cats from temperature or humidity extremes and to provide for their health and well-being. The ambient temperature in the mobile or traveling housing facility must not fall below 50°F (10°C) for dogs and cats not acclimated to lower temperatures, for those breeds that cannot tolerate lower temperatures without stress or discomfort (such as short-haired breeds), and for sick, aged, young, or infirm dogs and cats. Dry bedding, solid resting boards, or other methods of conserving body heat must be provided when temperatures are below 50°F (10°C). The ambient temperature must not fall below 45°F (7.2°C) for more than 4 consecutive hours when dogs or cats are present, and must not exceed 85°F (29.5°C) for more than 4 consecutive hours when dogs or cats are present. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(b) *Ventilation.* Mobile or traveling housing facilities for dogs and cats must be sufficiently ventilated at all times when dogs or cats are present to provide for the health and well-being of the animals, and to minimize odors,

drafts, ammonia levels, moisture condensation, and exhaust fumes. Ventilation must be provided by means of windows, doors, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air conditioning, must be provided when the ambient temperature within the animal housing area is 85 °F (29.5 °C) or higher.

(c) *Lighting.* Mobile or traveling housing facilities for dogs and cats must be lighted well enough to permit proper cleaning and inspection of the facility, and observation of the dogs and cats. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals.

[32 FR 3273, Feb. 24, 1967, as amended at 63 FR 10498, Mar. 4, 1998]

§ 3.6 Primary enclosures.

Primary enclosures for dogs and cats must meet the following minimum requirements:

(a) *General requirements.*

(1) Primary enclosures must be designed and constructed of suitable materials so that they are structurally sound. The primary enclosures must be kept in good repair.

(2) Primary enclosures must be constructed and maintained so that they:

(i) Have no sharp points or edges that could injure the dogs and cats;

(ii) Protect the dogs and cats from injury;

(iii) Contain the dogs and cats securely;

(iv) Keep other animals from entering the enclosure;

(v) Enable the dogs and cats to remain dry and clean;

(vi) Provide shelter and protection from extreme temperatures and weather conditions that may be uncomfortable or hazardous to all the dogs and cats;

(vii) Provide sufficient shade to shelter all the dogs and cats housed in the primary enclosure at one time;

(viii) Provide all the dogs and cats with easy and convenient access to clean food and water;

(ix) Enable all surfaces in contact with the dogs and cats to be readily cleaned and sanitized in accordance with § 3.11(b) of this subpart, or be replaceable when worn or soiled;

(x) Have floors that are constructed in a manner that protects the dogs' and cats' feet and legs from injury, and that, if of mesh or slatted construction, do not allow the dogs' and cats' feet to pass through any openings in the floor;

(xi) Provide sufficient space to allow each dog and cat to turn about freely, to stand, sit, and lie in a comfortable, normal position, and to walk in a normal manner; and

(xii) Primary enclosures constructed on or after February 20, 1998 and floors replaced on or after that date, must comply with the requirements in this paragraph (a)(2). On or after January 21, 2000, all primary enclosures must be in compliance with the requirements in this paragraph (a)(2). If the suspended floor of a primary enclosure is constructed of metal strands, the strands must either be greater than ⅛ of an inch in diameter (9 gauge) or coated with a material such as plastic or fiberglass. The suspended floor of any primary enclosure must be strong enough so that the floor does not sag or bend between the structural supports.

(b) *Additional requirements for cats.*

(1) *Space.* Each cat, including weaned kittens, that is housed in any primary enclosure must be provided minimum vertical space and floor space as follows:

(i) Prior to February 15, 1994 each cat housed in any primary enclosure shall be provided a minimum of 2½ square feet of floor space;

(ii) On and after February 15, 1994:

(A) Each primary enclosure housing cats must be at least 24 in. high (60.96 cm);

(B) Cats up to and including 8.8 lbs (4 kg) must be provided with at least 3.0 ft^2 (0.28 m^2);

(C) Cats over 8.8 lbs (4 kg) must be provided with at least 4.0 ft^2 (0.37 m^2);

(iii) Each queen with nursing kittens must be provided with an additional amount of floor space, based on her

breed and behavioral characteristics, and in accordance with generally accepted husbandry practices. If the additional amount of floor space for each nursing kitten is equivalent to less than 5 percent of the minimum requirement for the queen, such housing must be approved by the attending veterinarian in the case of a research facility, and, in the case of dealers and exhibitors, such housing must be approved by the Administrator; and

(iv) The minimum floor space required by this section is exclusive of any food or water pans. The litter pan may be considered part of the floor space if properly cleaned and sanitized.

(2) *Compatibility.* All cats housed in the same primary enclosure must be compatible, as determined by observation. Not more than 12 adult nonconditioned cats may be housed in the same primary enclosure. Queens in heat may not be housed in the same primary enclosure with sexually mature males, except for breeding. Except when maintained in breeding colonies, queens with litters may not be housed in the same primary enclosure with other adult cats, and kittens under 4 months of age may not be housed in the same primary enclosure with adult cats, other than the dam or foster dam. Cats with a vicious or aggressive disposition must be housed separately.

(3) *Litter.* In all primary enclosures, a receptacle containing sufficient clean litter must be provided to contain excreta and body wastes.

(4) *Resting surfaces.* Each primary enclosure housing cats must contain a resting surface or surfaces that, in the aggregate, are large enough to hold all the occupants of the primary enclosure at the same time comfortably. The resting surfaces must be elevated, impervious to moisture, and be able to be easily cleaned and sanitized, or easily replaced when soiled or worn. Low resting surfaces that do not allow the space under them to be comfortably occupied by the animal will be counted as part of the floor space.

(5) *Cats in mobile or traveling shows or acts.* Cats that are part of a mobile or traveling show or act may be kept, while the show or act is traveling from one temporary location to another, in transport containers that comply with all requirements of §3.14 of this subpart other than the marking requirements in §3.14(a)(6) of this subpart. When the show or act is not traveling, the cats must be placed in primary enclosures that meet the minimum requirements of this section.

(c) *Additional requirements for dogs*—(1) *Space.* (i) Each dog housed in a primary enclosure (including weaned puppies) must be provided a minimum amount of floor space, calculated as follows: Find the mathematical square of the sum of the length of the dog in inches (measured from the tip of its nose to the base of its tail) plus 6 inches; then divide the product by 144. The calculation is: (length of dog in inches + 6) × (length of dog in inches + 6) = required floor space in square inches. Required floor space in inches/144 = required floor space in square feet.

(ii) Each bitch with nursing puppies must be provided with an additional amount of floor space, based on her breed and behavioral characteristics, and in accordance with generally accepted husbandry practices as determined by the attending veterinarian. If the additional amount of floor space for each nursing puppy is less than 5 percent of the minimum requirement for the bitch, such housing must be approved by the attending veterinarian in the case of a research facility, and, in the case of dealers and exhibitors, such housing must be approved by the Administrator.

(iii) The interior height of a primary enclosure must be at least 6 inches higher than the head of the tallest dog in the enclosure when it is in a normal standing position: *Provided* That, prior to February 15, 1994, each dog must be able to stand in a comfortable normal position.

(2) *Compatibility.* All dogs housed in the same primary enclosure must be compatible, as determined by observation. Not more than 12 adult nonconditioned dogs may be housed in the same primary enclosure. Bitches in heat may not be housed in the same primary enclosure with sexually mature males, except for breeding. Except when maintained in breeding colonies, bitches with litters may not be housed in the same primary enclosure with other

adult dogs, and puppies under 4 months of age may not be housed in the same primary enclosure with adult dogs, other than the dam or foster dam. Dogs with a vicious or aggressive disposition must be housed separately.

(3) *Dogs in mobile or traveling shows or acts.* Dogs that are part of a mobile or traveling show or act may be kept, while the show or act is traveling from one temporary location to another, in transport containers that comply with all requirements of §3.14 of this subpart other than the marking requirements in §3.14(a)(6) of this subpart. When the show or act is not traveling, the dogs must be placed in primary enclosures that meet the minimum requirements of this section.

(4) *Prohibited means of primary enclosure.* Permanent tethering of dogs is prohibited for use as primary enclosure. Temporary tethering of dogs is prohibited for use as primary enclosure unless approval is obtained from APHIS.

(d) Innovative primary enclosures not precisely meeting the floor area and height requirements provided in paragraphs (b)(1) and (c)(1) of this section, but that provide the dogs or cats with a sufficient volume of space and the opportunity to express species-typical behavior, may be used at research facilities when approved by the Committee, and by dealers and exhibitors when approved by the Administrator.

(Approved by the Office of Management and Budget under control number 0579–0093)

[56 FR 6486, Feb. 15, 1991, as amended at 62 FR 43275, Aug. 13, 1997; 63 FR 3023, Jan. 21, 1998; 63 FR 37482, July 13, 1998]

ANIMAL HEALTH AND HUSBANDRY STANDARDS

§3.7 Compatible grouping.

Dogs and cats that are housed in the same primary enclosure must be compatible, with the following restrictions:

(a) Females in heat (estrus) may not be housed in the same primary enclosure with males, except for breeding purposes;

(b) Any dog or cat exhibiting a vicious or overly aggressive disposition must be housed separately;

(c) Puppies or kittens 4 months of age or less may not be housed in the same primary enclosure with adult dogs or cats other than their dams or foster dams, except when permanently maintained in breeding colonies;

(d) Dogs or cats may not be housed in the same primary enclosure with any other species of animals, unless they are compatible; and

(e) Dogs and cats that have or are suspected of having a contagious disease must be isolated from healthy animals in the colony, as directed by the attending veterinarian. When an entire group or room of dogs and cats is known to have or believed to be exposed to an infectious agent, the group may be kept intact during the process of diagnosis, treatment, and control.

§3.8 Exercise for dogs.

Dealers, exhibitors, and research facilities must develop, document, and follow an appropriate plan to provide dogs with the opportunity for exercise. In addition, the plan must be approved by the attending veterinarian. The plan must include written standard procedures to be followed in providing the opportunity for exercise. The plan must be made available to APHIS upon request, and, in the case of research facilities, to officials of any pertinent funding Federal agency. The plan, at a minimum, must comply with each of the following:

(a) *Dogs housed individually.* Dogs over 12 weeks of age, except bitches with litters, housed, held, or maintained by any dealer, exhibitor, or research facility, including Federal research facilities, must be provided the opportunity for exercise regularly if they are kept individually in cages, pens, or runs that provide less than two times the required floor space for that dog, as indicated by §3.6(c)(1) of this subpart.

(b) *Dogs housed in groups.* Dogs over 12 weeks of age housed, held, or maintained in groups by any dealer, exhibitor, or research facility, including Federal research facilities, do not require additional opportunity for exercise regularly if they are maintained in cages, pens, or runs that provide in total at least 100 percent of the required space for each dog if maintained separately. Such animals may be maintained in compatible groups, unless:

(1) Housing in compatible groups is not in accordance with a research proposal and the proposal has been approved by the research facility Committee;

(2) In the opinion of the attending veterinarian, such housing would adversely affect the health or well-being of the dog(s); or

(3) Any dog exhibits aggressive or vicious behavior.

(c) *Methods and period of providing exercise opportunity.* (1) The frequency, method, and duration of the opportunity for exercise shall be determined by the attending veterinarian and, at research facilities, in consultation with and approval by the Committee.

(2) Dealers, exhibitors, and research facilities, in developing their plan, should consider providing positive physical contact with humans that encourages exercise through play or other similar activities. If a dog is housed, held, or maintained at a facility without sensory contact with another dog, it must be provided with positive physical contact with humans at least daily.

(3) The opportunity for exercise may be provided in a number of ways, such as:

(i) Group housing in cages, pens or runs that provide at least 100 percent of the required space for each dog if maintained separately under the minimum floor space requirements of §3.6(c)(1) of this subpart;

(ii) Maintaining individually housed dogs in cages, pens, or runs that provide at least twice the minimum floor space required by §3.6(c)(1) of this subpart;

(iii) Providing access to a run or open area at the frequency and duration prescribed by the attending veterinarian; or

(iv) Other similar activities.

(4) Forced exercise methods or devices such as swimming, treadmills, or carousel-type devices are unacceptable for meeting the exercise requirements of this section.

(d) *Exemptions.* (1) If, in the opinion of the attending veterinarian, it is inappropriate for certain dogs to exercise because of their health, condition, or well-being, the dealer, exhibitor, or research facility may be exempted from meeting the requirements of this section for those dogs. Such exemption must be documented by the attending veterinarian and, unless the basis for exemption is a permanent condition, must be reviewed at least every 30 days by the attending veterinarian.

(2) A research facility may be exempted from the requirements of this section if the principal investigator determines for scientific reasons set forth in the research proposal that it is inappropriate for certain dogs to exercise. Such exemption must be documented in the Committee-approved proposal and must be reviewed at appropriate intervals as determined by the Committee, but not less than annually.

(3) Records of any exemptions must be maintained and made available to USDA officials or any pertinent funding Federal agency upon request.

(Approved by the Office of Management and Budget under control number 0579–0093)

§3.9 Feeding.

(a) Dogs and cats must be fed at least once each day, except as otherwise might be required to provide adequate veterinary care. The food must be uncontaminated, wholesome, palatable, and of sufficient quantity and nutritive value to maintain the normal condition and weight of the animal. The diet must be appropriate for the individual animal's age and condition.

(b) Food receptacles must be used for dogs and cats, must be readily accessible to all dogs and cats, and must be located so as to minimize contamination by excreta and pests, and be protected from rain and snow. Feeding pans must either be made of a durable material that can be easily cleaned and sanitized or be disposable. If the food receptacles are not disposable, they must be kept clean and must be sanitized in accordance with §3.11(b) of this subpart. Sanitization is achieved by using one of the methods described in §3.11(b)(3) of this subpart. If the food receptacles are disposable, they must be discarded after one use. Self-feeders may be used for the feeding of dry food. If self-feeders are used, they must be kept clean and must be sanitized in accordance with §3.11(b) of this subpart. Measures must be taken to ensure that

there is no molding, deterioration, and caking of feed.

§ 3.10 Watering.

If potable water is not continually available to the dogs and cats, it must be offered to the dogs and cats as often as necessary to ensure their health and well-being, but not less than twice daily for at least 1 hour each time, unless restricted by the attending veterinarian. Water receptacles must be kept clean and sanitized in accordance with §3.11(b) of this subpart, and before being used to water a different dog or cat or social grouping of dogs or cats.

§ 3.11 Cleaning, sanitization, housekeeping, and pest control.

(a) *Cleaning of primary enclosures.* Excreta and food waste must be removed from primary enclosures daily, and from under primary enclosures as often as necessary to prevent an excessive accumulation of feces and food waste, to prevent soiling of the dogs or cats contained in the primary enclosures, and to reduce disease hazards, insects, pests and odors. When steam or water is used to clean the primary enclosure, whether by hosing, flushing, or other methods, dogs and cats must be removed, unless the enclosure is large enough to ensure the animals would not be harmed, wetted, or distressed in the process. Standing water must be removed from the primary enclosure and animals in other primary enclosures must be protected from being contaminated with water and other wastes during the cleaning. The pans under primary enclosures with grill-type floors and the ground areas under raised runs with mesh or slatted floors must be cleaned as often as necessary to prevent accumulation of feces and food waste and to reduce disease hazards pests, insects and odors.

(b) *Sanitization of primary enclosures and food and water receptacles.* (1) Used primary enclosures and food and water receptacles must be cleaned and sanitized in accordance with this section before they can be used to house, feed, or water another dog or cat, or social grouping of dogs or cats.

(2) Used primary enclosures and food and water receptacles for dogs and cats must be sanitized at least once every 2 weeks using one of the methods prescribed in paragraph (b)(3) of this section, and more often if necessary to prevent an accumulation of dirt, debris, food waste, excreta, and other disease hazards.

(3) Hard surfaces of primary enclosures and food and water receptacles must be sanitized using one of the following methods:

(i) Live steam under pressure;

(ii) Washing with hot water (at least 180 °F (82.2 °C)) and soap or detergent, as with a mechanical cage washer; or

(iii) Washing all soiled surfaces with appropriate detergent solutions and disinfectants, or by using a combination detergent/disinfectant product that accomplishes the same purpose, with a thorough cleaning of the surfaces to remove organic material, so as to remove all organic material and mineral buildup, and to provide sanitization followed by a clean water rinse.

(4) Pens, runs, and outdoor housing areas using material that cannot be sanitized using the methods provided in paragraph (b)(3) of this section, such as gravel, sand, grass, earth, or absorbent bedding, must be sanitized by removing the contaminated material as necessary to prevent odors, diseases, pests, insects, and vermin infestation.

(c) *Housekeeping for premises.* Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair to protect the animals from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents and other pests and vermin. Premises must be kept free of accumulations of trash, junk, waste products, and discarded matter. Weeds, grasses, and bushes must be controlled so as to facilitate cleaning of the premises and pest control, and to protect the health and well-being of the animals.

(d) *Pest control.* An effective program for the control of insects, external parasites affecting dogs and cats, and birds and mammals that are pests, must be established and maintained so as to promote the health and well-

being of the animals and reduce contamination by pests in animal areas.

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 3023, Jan. 21, 1998]

§ 3.12 Employees.

Each person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) maintaining dogs and cats must have enough employees to carry out the level of husbandry practices and care required in this subpart. The employees who provide for husbandry and care, or handle animals, must be supervised by an individual who has the knowledge, background, and experience in proper husbandry and care of dogs and cats to supervise others. The employer must be certain that the supervisor and other employees can perform to these standards.

TRANSPORTATION STANDARDS

§ 3.13 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers must not accept a dog or cat for transport in commerce more than 4 hours before the scheduled departure time of the primary conveyance on which the animal is to be transported. However, a carrier or intermediate handler may agree with anyone consigning a dog or cat to extend this time by up to 2 hours.

(b) Carriers and intermediate handlers must not accept a dog or cat for transport in commerce unless they are provided with the name, address, and telephone number of the consignee.

(c) Carriers and intermediate handlers must not accept a dog or cat for transport in commerce unless the consignor certifies in writing to the carrier or intermediate handler that the dog or cat was offered food and water during the 4 hours before delivery to the carrier or intermediate handler. The certification must be securely attached to the outside of the primary enclosure in a manner that makes it easily noticed and read. Instructions for no food or water are not acceptable unless directed by the attending veterinarian. Instructions must be in compliance with §3.16 of this subpart. The certification must include the following information for each dog and cat:

(1) The consignor's name and address;

(2) The tag number or tattoo assigned to each dog or cat under §§2.38 and 2.50 of this chapter;

(3) The time and date the animal was last fed and watered and the specific instructions for the next feeding(s) and watering(s) for a 24-hour period; and

(4) The consignor's signature and the date and time the certification was signed.

(d) Carriers and intermediate handlers must not accept a dog or cat for transport in commerce in a primary enclosure unless the primary enclosure meets the requirements of §3.14 of this subpart. A carrier or intermediate handler must not accept a dog or cat for transport if the primary enclosure is obviously defective or damaged and cannot reasonably be expected to safely and comfortably contain the dog or cat without causing suffering or injury.

(e) Carriers and intermediate handlers must not accept a dog or cat for transport in commerce unless their animal holding area meets the minimum temperature requirements provided in §§3.18 and 3.19 of this subpart, or unless the consignor provides them with a certificate signed by a veterinarian and dated no more than 10 days before delivery of the animal to the carrier or intermediate handler for transport in commerce, certifying that the animal is acclimated to temperatures lower than those required in §§3.18 and 3.19 of this subpart. Even if the carrier or intermediate handler receives this certification, the temperatures the dog or cat is exposed to while in a terminal facility must not be lower than 45°F (2.2°C) for more than 4 consecutive hours when dogs or cats are present, as set forth in §3.18, nor lower than 45°F (2.2°C) for more than 45 minutes, as set forth in §3.19, when moving dogs or cats to or from terminal facilities or primary conveyances. A copy of the certification must accompany the dog or cat to its destination and must include the following information:

(1) The consignor's name and address;

(2) The tag number or tattoo assigned to each dog or cat under §§2.38 and 2.50 of this chapter;

(3) A statement by a veterinarian, dated no more than 10 days before delivery, that to the best of his or her knowledge, each of the dogs or cats contained in the primary enclosure is acclimated to air temperatures lower than 50°F (10°C); but not lower than a minimum temperature, specified on a certificate, that the attending veterinarian has determined is based on generally accepted temperature standards for the age, condition, and breed of the dog or cat; and

(4) The signature of the veterinarian and the date the certification was signed.

(f) When a primary enclosure containing a dog or cat has arrived at the animal holding area at a terminal facility after transport, the carrier or intermediate handler must attempt to notify the consignee upon arrival and at least once in every 6-hour period thereafter. The time, date, and method of all attempted notifications and the actual notification of the consignee, and the name of the person who notifies or attempts to notify the consignee must be written either on the carrier's or intermediate handler's copy of the shipping document or on the copy that accompanies the primary enclosure. If the consignee cannot be notified within 24 hours after the dog or cat has arrived at the terminal facility, the carrier or intermediate handler must return the animal to the consignor or to whomever the consignor designates. If the consignee is notified of the arrival and does not accept delivery of the dog or cat within 48 hours after arrival of the dog or cat, the carrier or intermediate handler must return the animal to the consignor or to whomever the consignor designates. The carrier or intermediate handler must continue to provide proper care, feeding, and housing to the dog or cat, and maintain the dog or cat in accordance with generally accepted professional and husbandry practices until the consignee accepts delivery of the dog or cat or until it is returned to the consignor or to whomever the consignor designates. The carrier or intermediate handler must obligate the consignor to reimburse the carrier or intermediate handler for the cost of return transportation and care.

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§ 3.14 Primary enclosures used to transport live dogs and cats.

Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) must not transport or deliver for transport in commerce a dog or cat unless the following requirements are met:

(a) *Construction of primary enclosures.* The dog or cat must be contained in a primary enclosure such as a compartment, transport cage, carton, or crate. Primary enclosures used to transport dogs and cats must be constructed so that:

(1) The primary enclosure is strong enough to contain the dogs and cats securely and comfortably and to withstand the normal rigors of transportation;

(2) The interior of the primary enclosure has no sharp points or edges and no protrusions that could injure the animal contained in it;

(3) The dog or cat is at all times securely contained within the enclosure and cannot put any part of its body outside the enclosure in a way that could result in injury to itself, to handlers, or to persons or animals nearby;

(4) The dog or cat can be easily and quickly removed from the enclosure in an emergency;

(5) Unless the enclosure is permanently affixed to the conveyance, adequate devices such as handles or handholds are provided on its exterior, and enable the enclosure to be lifted without tilting it, and ensure that anyone handling the enclosure will not come into physical contact with the animal contained inside;

(6) Unless the enclosure is permanently affixed to the conveyance, it is clearly marked on top and on one or more sides with the words ''Live Animals,'' in letters at least 1 inch (2.5 cm.) high, and with arrows or other markings to indicate the correct upright position of the primary enclosure;

(7) Any material, treatment, paint, preservative, or other chemical used in or on the enclosure is nontoxic to the

animal and not harmful to the health or well-being of the animal;

(8) Proper ventilation is provided to the animal in accordance with paragraph (c) of this section; and

(9) The primary enclosure has a solid, leak-proof bottom or a removable, leak-proof collection tray under a slatted or mesh floor that prevents seepage of waste products, such as excreta and body fluids, outside of the enclosure. If a slatted or mesh floor is used in the enclosure, it must be designed and constructed so that the animal cannot put any part of its body between the slats or through the holes in the mesh. Unless the dogs and cats are on raised slatted floors or raised floors made of mesh, the primary enclosure must contain enough previously unused litter to absorb and cover excreta. The litter must be of a suitably absorbent material that is safe and nontoxic to the dogs and cats.

(b) *Cleaning of primary enclosures.* A primary enclosure used to hold or transport dogs or cats in commerce must be cleaned and sanitized before each use in accordance with the methods provided in §3.11(b)(3) of this subpart. If the dogs or cats are in transit for more than 24 hours, the enclosures must be cleaned and any litter replaced, or other methods, such as moving the animals to another enclosure, must be utilized to prevent the soiling of the dogs or cats by body wastes. If it becomes necessary to remove the dog or cat from the enclosure in order to clean, or to move the dog or cat to another enclosure, this procedure must be completed in a way that safeguards the dog or cat from injury and prevents escape.

(c) *Ventilation.* (1) Unless the primary enclosure is permanently affixed to the conveyance, there must be:

(i) Ventilation openings located on two opposing walls of the primary enclosure and the openings must be at least 16 percent of the surface area of each such wall, and the total combined surface area of the ventilation openings must be at least 14 percent of the total combined surface area of all the walls of the primary enclosure; or

(ii) Ventilation openings on three walls of the primary enclosure, and the openings on each of the two opposing walls must be at least 8 percent of the total surface area of the two walls, and the ventilation openings on the third wall of the primary enclosure must be at least 50 percent of the total surface area of that wall, and the total combined surface area of the ventilation openings must be at least 14 percent of the total combined surface area of all the walls of the primary enclosure; or

(iii) Ventilation openings located on all four walls of the primary enclosure and the ventilation openings on each of the four walls must be at least 8 percent of the total surface area of each such wall, and the total combined surface area of the openings must be at least 14 percent of total combined surface area of all the walls of the primary enclosure; and

(iv) At least one-third of the ventilation area must be located on the upper half of the primary enclosure.

(2) Unless the primary enclosure is permanently affixed to the conveyance, projecting rims or similar devices must be located on the exterior of each enclosure wall having a ventilation opening, in order to prevent obstruction of the openings. The projecting rims or similar devices must be large enough to provide a minimum air circulation space of 0.75 in. (1.9 cm) between the primary enclosure and anything the enclosure is placed against.

(3) If a primary enclosure is permanently affixed to the primary conveyance so that there is only a front ventilation opening for the enclosure, the primary enclosure must be affixed to the primary conveyance in such a way that the front ventilation opening cannot be blocked, and the front ventilation opening must open directly to an unobstructed aisle or passageway inside the conveyance. The ventilation opening must be at least 90 percent of the total area of the front wall of the enclosure, and must be covered with bars, wire mesh, or smooth expanded metal having air spaces.

(d) *Compatibility.* (1) Live dogs or cats transported in the same primary enclosure must be of the same species and be maintained in compatible groups, except that dogs and cats that are private pets, are of comparable size, and are compatible, may be transported in the same primary enclosure.

(2) Puppies or kittens 4 months of age or less may not be transported in the same primary enclosure with adult dogs or cats other than their dams.

(3) Dogs or cats that are overly aggressive or exhibit a vicious disposition must be transported individually in a primary enclosure.

(4) Any female dog or cat in heat (estrus) may not be transported in the same primary enclosure with any male dog or cat.

(e) *Space and placement.* (1) Primary enclosures used to transport live dogs and cats must be large enough to ensure that each animal contained in the primary enclosure has enough space to turn about normally while standing, to stand and sit erect, and to lie in a natural position.

(2) Primary enclosures used to transport dogs and cats must be positioned in the primary conveyance so as to provide protection from the elements.

(f) *Transportation by air.* (1) No more than one live dog or cat, 6 months of age or older, may be transported in the same primary enclosure when shipped via air carrier.

(2) No more than one live puppy, 8 weeks to 6 months of age, and weighing over 20 lbs (9 kg), may be transported in a primary enclosure when shipped via air carrier.

(3) No more than two live puppies or kittens, 8 weeks to 6 months of age, that are of comparable size, and weighing 20 lbs (9 kg) or less each, may be transported in the same primary enclosure when shipped via air carrier.

(4) Weaned live puppies or kittens less than 8 weeks of age and of comparable size, or puppies or kittens that are less than 8 weeks of age that are littermates and are accompanied by their dam, may be transported in the same primary enclosure when shipped to research facilities, including Federal research facilities.

(g) *Transportation by surface vehicle or privately owned aircraft.* (1) No more than four live dogs or cats, 8 weeks of age or older, that are of comparable size, may be transported in the same primary enclosure when shipped by surface vehicle (including ground and water transportation) or privately owned aircraft, and only if all other requirements of this section are met.

(2) Weaned live puppies or kittens less than 8 weeks of age and of comparable size, or puppies or kittens that are less than 8 weeks of age that are littermates and are accompanied by their dam, may be transported in the same primary enclosure when shipped to research facilities, including Federal research facilities, and only if all other requirements in this section are met.

(h) *Accompanying documents and records.* Shipping documents that must accompany shipments of dogs and cats may be held by the operator of the primary conveyance, for surface transportation only, or must be securely attached in a readily accessible manner to the outside of any primary enclosure that is part of the shipment, in a manner that allows them to be detached for examination and securely reattached, such as in a pocket or sleeve. Instructions for administration of drugs, medication, and other special care must be attached to each primary enclosure in a manner that makes them easy to notice, to detach for examination, and to reattach securely. Food and water instructions must be attached in accordance with § 3.13(c).

(Approved by the Office of Management and Budget under control number 0579–0093)

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 3023, Jan. 21, 1998]

§ 3.15 Primary conveyances (motor vehicle, rail, air, and marine).

(a) The animal cargo space of primary conveyances used to transport dogs and cats must be designed, constructed, and maintained in a manner that at all times protects the health and well-being of the animals transported in them, ensures their safety and comfort, and prevents the entry of engine exhaust from the primary conveyance during transportation.

(b) The animal cargo space must have a supply of air that is sufficient for the normal breathing of all the animals being transported in it.

(c) Each primary enclosure containing dogs or cats must be positioned in the animal cargo space in a manner that provides protection from the elements and that allows each dog or cat enough air for normal breathing.

(d) During air transportation, dogs and cats must be held in cargo areas

that are heated or cooled as necessary to maintain an ambient temperature and humidity that ensures the health and well-being of the dogs or cats. The cargo areas must be pressurized when the primary conveyance used for air transportation is not on the ground, unless flying under 8,000 ft. Dogs and cats must have adequate air for breathing at all times when being transported.

(e) During surface transportation, auxiliary ventilation, such as fans, blowers or air conditioning, must be used in any animal cargo space containing live dogs or cats when the ambient temperature within the animal cargo space reaches 85 °F (29.5 °C). Moreover, the ambient temperature may not exceed 85 °F (29.5 °C) for a period of more than 4 hours; nor fall below 45 °F (7.2 °C) for a period of more than 4 hours. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(f) Primary enclosures must be positioned in the primary conveyance in a manner that allows the dogs and cats to be quickly and easily removed from the primary conveyance in an emergency.

(g) The interior of the animal cargo space must be kept clean.

(h) Live dogs and cats may not be transported with any material, substance (e.g., dry ice) or device in a manner that may reasonably be expected to harm the dogs and cats or cause inhumane conditions.

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 10498, 10499, Mar. 4, 1998]

§3.16 Food and water requirements.

(a) Each dog and cat that is 16 weeks of age or more must be offered food at least once every 24 hours. Puppies and kittens less than 16 weeks of age must be offered food at least once every 12 hours. Each dog and cat must be offered potable water at least once every 12 hours. These time periods apply to dealers, exhibitors, research facilities. including Federal research facilities, who transport dogs and cats in their own primary conveyance, starting from the time the dog or cat was last offered food and potable water before transportation was begun. These time periods apply to carriers and intermediate handlers starting from the date and time stated on the certificate provided under §3.13(c) of this subpart. Each dog and cat must be offered food and potable water within 4 hours before being transported in commerce. Consignors who are subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) must certify that each dog and cat was offered food and potable water within the 4 hours preceding delivery of the dog or cat to a carrier or intermediate handler for transportation in commerce, and must certify the date and time the food and potable water was offered, in accordance with §3.13(c) of this subpart.

(b) Any dealer, research facility, including a Federal research facility, or exhibitor offering any dog or cat to a carrier or intermediate handler for transportation in commerce must securely attach to the outside of the primary enclosure used for transporting the dog or cat, written instructions for the in-transit food and water requirements for a 24-hour period for the dogs and cats contained in the enclosure. The instructions must be attached in a manner that makes them easily noticed and read.

(c) Food and water receptacles must be securely attached inside the primary enclosure and placed so that the receptacles can be filled from outside the enclosure without opening the door. Food and water containers must be designed, constructed, and installed so that a dog or cat cannot leave the primary enclosure through the food or water opening.

(Approved by the Office of Management and Budget under control number 0579–0093)

§3.17 Care in transit.

(a) *Surface transportation (ground and water).* Any person subject to the Animal Welfare regulations transporting dogs or cats in commerce must ensure that the operator of the conveyance, or a person accompanying the operator, observes the dogs or cats as often as circumstances allow, but not less than once every 4 hours, to make sure they have sufficient air for normal breathing, that the ambient temperature is within the limits provided in §3.15(e),

and that all applicable standards of this subpart are being complied with. The regulated person must ensure that the operator or person accompanying the operator determines whether any of the dogs or cats are in obvious physical distress and obtains any veterinary care needed for the dogs or cats at the closest available veterinary facility.

(b) *Air transportation.* During air transportation of dogs or cats, it is the responsibility of the carrier to observe the dogs or cats as frequently as circumstances allow, but not less than once every 4 hours if the animal cargo area is accessible during flight. If the animal cargo area is not accessible during flight, the carrier must observe the dogs or cats whenever they are loaded and unloaded and whenever the animal cargo space is otherwise accessible to make sure they have sufficient air for normal breathing, that the animal cargo area meets the heating and cooling requirements of §3.15(d), and that all other applicable standards of this subpart are being complied with. The carrier must determine whether any of the dogs or cats are in obvious physical distress, and arrange for any needed veterinary care as soon as possible.

(c) If a dog or cat is obviously ill, injured, or in physical distress, it must not be transported in commerce, except to receive veterinary care for the condition.

(d) Except during the cleaning of primary enclosures, as required in §3.14(b) of this subpart, during transportation in commerce a dog or cat must not be removed from its primary enclosure, unless it is placed in another primary enclosure or facility that meets the requirements of §3.6 or §3.14 of this subpart.

(e) The transportation regulations contained in this subpart must be complied with until a consignee takes physical delivery of the dog or cat if the animal is consigned for transportation, or until the animal is returned to the consignor.

§3.18 Terminal facilities.

(a) *Placement.* Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) must not commingle shipments of dogs or cats with inanimate cargo in animal holding areas of terminal facilities.

(b) *Cleaning, sanitization, and pest control.* All animal holding areas of terminal facilities must be cleaned and sanitized in a manner prescribed in §3.11(b)(3) of this subpart, as often as necessary to prevent an accumulation of debris or excreta and to minimize vermin infestation and disease hazards. Terminal facilities must follow an effective program in all animal holding areas for the control of insects, ectoparasites, and birds and mammals that are pests to dogs and cats.

(c) *Ventilation.* Ventilation must be provided in any animal holding area in a terminal facility containing dogs or cats, by means of windows, doors, vents, or air conditioning. The air must be circulated by fans, blowers, or air conditioning so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans, vents, fans, blowers, or air conditioning must be used in any animal holding area containing dogs and cats, when the ambient temperature is 85 °F (29.5 °C) or higher

(d) *Temperature.* The ambient temperature in an animal holding area containing dogs or cats must not fall below 45 °F (7.2 °C) or rise above 85 °F (29.5 °C) for more than four consecutive hours at any time dogs or cats are present. The ambient temperature must be measured in the animal holding area by the carrier, intermediate handler, or a person transporting dogs or cats who is subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3), outside any primary enclosure containing a dog or cat at a point not more than 3 feet (0.91 m) away from an outside wall of the primary enclosure, and approximately midway up the side of the enclosure. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(e) *Shelter.* Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) holding a live dog or cat in an animal holding area of a terminal facility must provide the following:

(1) *Shelter from sunlight and extreme heat.* Shade must be provided that is sufficient to protect the dog or cat from the direct rays of the sun.

(2) *Shelter from rain or snow.* Sufficient protection must be provided to allow the dogs and cats to remain dry during rain, snow, and other precipitation.

(f) *Duration.* The length of time any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) can hold dogs and cats in animal holding areas of terminal facilities upon arrival is the same as that provided in §3.13(f) of this subpart.

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 10499, Mar. 4, 1998]

§3.19 Handling.

(a) Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) who moves (including loading and unloading) dogs or cats within, to, or from the animal holding area of a terminal facility or a primary conveyance must do so as quickly and efficiently as possible and must provide the following during movement of the dog or cat:

(1) Shelter from sunlight and extreme heat. Sufficient shade must be provided to protect the dog or cat from the direct rays of the sun. The dog or cat must not be exposed to an ambient air temperature above 85 °F (29.5 °C) for a period of more than 45 minutes while being moved to or from a primary conveyance or a terminal facility. The temperature must be measured in the manner provided in §3.18(d) of this subpart. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(2) *Shelter from rain and snow.* Sufficient protection must be provided to allow the dogs and cats to remain dry during rain, snow, and other precipitation.

(3) *Shelter from cold temperatures.* Transporting devices on which live dogs or cats are placed to move them must be covered to protect the animals when the outdoor temperature falls below 50 °F (10 °C). The dogs or cats must not be exposed to an ambient temperature below 45 °F (7.2 °C) for a period of more than 45 minutes, unless they are accompanied by a certificate of acclimation to lower temperatures as provided in §3.13(e). The temperature must be measured in the manner provided in §3.18(d) of this subpart. The preceding requirements are in addition to, not in place of, all other requirements pertaining to climatic conditions in parts 2 and 3 of this chapter.

(b) Any person handling a primary enclosure containing a dog or cat must use care and must avoid causing physical harm or distress to the dog or cat.

(1) A primary enclosure containing a live dog or cat must not be placed on unattended conveyor belts, or on elevated conveyor belts, such as baggage claim conveyor belts and inclined conveyor ramps that lead to baggage claim areas, at any time; except that a primary enclosure may be placed on inclined conveyor ramps used to load and unload aircraft if an attendant is present at each end of the conveyor belt.

(2) A primary enclosure containing a dog or cat must not be tossed, dropped, or needlessly tilted, and must not be stacked in a manner that may reasonably be expected to result in its falling. It must be handled and positioned in the manner that written instructions and arrows on the outside of the primary enclosure indicate.

(c) This section applies to movement of a dog or cat from primary conveyance to primary conveyance, within a primary conveyance or terminal facility, and to or from a terminal facility or a primary conveyance.

(Approved by the Office of Management and Budget under control number 0579–0093)

[56 FR 6486, Feb. 15, 1991, as amended at 63 FR 10499, Mar. 4, 1998]

Subpart B—Specifications for the Humane Handling, Care, Treatment, and Transportation of Guinea Pigs and Hamsters

FACILITIES AND OPERATING STANDARDS

§3.25 Facilities, general.

(a) *Structural strength.* Indoor and outdoor housing facilities for guinea pigs or hamsters shall be structurally sound and shall be maintained in good

repair, to protect the animals from injury, to contain the animals, and to restrict the entrance of other animals.

(b) *Water and electric power.* Reliable and adequate electric power, if required to comply with other provisions of this subpart, and adequate potable water shall be available.

(c) *Storage.* Supplies of food and bedding shall be stored in facilities which adequately protect such supplies against spoilage or deterioration and infestation or contamination by vermin. Food supplies shall be stored in containers with tightly fitting lids or covers or in the original containers as received from the commercial sources of supply. Refrigeration shall be provided for supplies of perishable food.

(d) *Waste disposal.* Provisions shall be made for the removal and disposal of animal and food wastes, bedding, dead animals, and debris. Disposal facilities shall be so provided and operated as to minimize vermin infestation, odors, and disease hazards.

(e) *Washroom and sinks.* Facilities, such as washrooms, basins, or sinks, shall be provided to maintain cleanliness among animal caretakers.

[32 FR 3273, Feb. 24, 1967, as amended at 44 FR 63492, Nov. 2, 1979]

§ 3.26 Facilities, indoor.

(a) *Heating.* Indoor housing facilities for guinea pigs or hamsters shall be sufficiently heated when necessary to protect the animals from the cold, and to provide for their health and comfort. The ambient temperature shall not be allowed to fall below 60° F. nor to exceed 85° F.

(b) *Ventilation.* Indoor housing facilities for guinea pigs or hamsters shall be adequately ventilated to provide for the health and comfort of the animals at all times. Such facilities shall be provided with fresh air either by means of windows, doors, vents, or air conditioning, and shall be ventilated so as to minimize drafts, odors, and moisture condensation. The ambient temperature shall not be allowed to rise above 85° F.

(c) *Lighting.* Indoor housing facilities for guinea pigs or hamsters shall have ample light, by natural or artificial means, or both, of good quality and well distributed. Such lighting shall provide uniformly distributed illumination of sufficient light intensity to permit routine inspection and cleaning during the entire working period. Primary enclosures shall be so placed as to protect the guinea pigs or hamsters from excessive illumination.

(d) *Interior surfaces.* The interior building surfaces of indoor housing facilities shall be constructed and maintained so that they are substantially impervious to moisture and may be readily sanitized.

§ 3.27 Facilities, outdoor.

(a) Hamsters shall not be housed in outdoor facilities.

(b) Guinea pigs shall not be housed in outdoor facilities unless such facilities are located in an appropriate climate and prior approval for such outdoor housing is obtained from the Deputy Administrator.

§ 3.28 Primary enclosures.

All primary enclosures for guinea pigs and hamsters shall conform to the following requirements:

(a) *General.* (1) Primary enclosures shall be structurally sound and maintained in good repair to protect the guinea pigs and hamsters from injury. Such enclosures, including their racks, shelving and other accessories, shall be constructed of smooth material substantially impervious to liquids and moisture.

(2) Primary enclosures shall be constructed and maintained so that the guinea pigs or hamsters contained therein have convenient access to clean food and water as required in this subpart.

(3) Primary enclosures having a solid floor shall be provided with clean bedding material.

(4) Primary enclosures equipped with mesh or wire floors shall be so constructed as to allow feces to pass through the spaces of the mesh or wire: *Provided, however,* That such floors shall be constructed so as to protect the animals' feet and legs from injury.

(b) *Space requirements for primary enclosures acquired before August 15, 1990.*— (1) *Guinea pigs and hamsters.* Primary enclosures shall be constructed and maintained so as to provide sufficient

space for each animal contained therein to make normal postural adjustments with adequate freedom of movement.

(2) *Guinea pigs.* In addition to the provisions of paragraph (b)(1) of this section, the following space requirements are applicable to primary enclosures for guinea pigs:

(i) The interior height of any primary enclosure used to confine guinea pigs shall be at least 6½ inches.

(ii) Each guinea pig housed in a primary enclosure shall be provided a minimum amount of floor space in accordance with the following table:

Weight or stage of maturity	Minimum space per guinea pig (square inches)
Weaning to 350 grams	60
350 grams or more	90
Breeders	180

(3) *Hamsters.* In addition to the provisions of paragraph (b)(1) of this section, the following space requirements are applicable to primary enclosures for hamsters:

(i) The interior height of any primary enclosure used to confine hamsters shall be at least 5½ inches, except that in the case of dwarf hamsters, such interior height shall be at least 5 inches.

(ii) A nursing female hamster, together with her litter, shall be housed in a primary enclosure which contains no other hamsters and which provides at least 121 square inches of floor space: *Provided, however,* That in the case of dwarf hamsters such floor space shall be at least 25 square inches.

(iii) The minimum amount of floor space per individual hamster and the maximum number of hamsters allowed in a single primary enclosure, except as provided for nursing females in paragraph (b)(3)(ii) of this section, shall be in accordance with the following table:

Age	Minimum space per hamster (square inches)		Maximum population per enclosure
	Dwarf	*Other*	
Weaning to 5 wks	5.0	10.0	20
5 to 10 wks	7.5	12.5	16
10 wks. or more	9	15.0	13

(c) *Space requirements for primary enclosures acquired on or after August 15, 1990*—(1) *Guinea pigs.* (i) Primary enclosures shall be constructed and maintained so as to provide sufficient space for each guinea pig contained therein to make normal postural adjustments with adequte freedom of movement.

(ii) The interior height of any primary enclosure used to confine guinea pigs shall be at least 7 inches (17.78 cm).

(iii) Each guinea pig shall be provided a minimum amount of floor space in any primary enclosure as follows:

Weight or stage of maturity	Minimum floor space	
	in^2	cm^2
Weaning to 350 grams	60	387.12
>350 grams	101	651.65
Nursing females with their litters	101	651.65

(2) *Hamsters.* (i) Primary enclosures shall be constructed and maintained so as to provide sufficient space for each hamster contained therein to make normal postural adjustments with adequate freedom of movement.

(ii) The interior height of any primary enclosure used to confine hamsters shall be at least 6 inches (15.24 cm).

(iii) Except as provided in paragraph (c)(2)(iv) of this section, each hamster shall be provided a minimum amount of floor space in any primary enclosure as follows:

Weight		Minimum floor space per hamster	
g	ozs	in^2	cm^2
<60	<2.1	10	64.52
60 to 80	2.1–2.8	13	83.88
80 to 100	2.8–3.5	16	103.23
>100	>3.5	19	122.59

(iv) A nursing female hamster, together with her litter, shall be housed in a primary enclosure that contains no other hamsters and that provides at least 121 square inches of floor space: *Provided, however,* That in the case of nursing female dwarf hamsters such floor space shall be at least 25 square inches.

(3) Innovative primary enclosures that do not precisely meet the space requirements of paragraph (c)(1) or (c)(2) of this section, but that do provide guinea pigs or hamsters with a

sufficient volume of space and the opportunity to express species-typical behavior, may be used at research facilities when approved by the Institutional Animal Care and Use Committee, and by dealers and exhibitors when approved by the Administrator.

[32 FR 3273, Feb. 24, 1967, as amended at 55 FR 28882, July 16, 1990]

ANIMAL HEALTH AND HUSBANDRY STANDARDS

§ 3.29 Feeding.

(a) Guinea pigs and hamsters shall be fed each day except as otherwise might be required to provide adequate veterinary care. The food shall be free from contamination, wholesome, palatable and of sufficient quantity and nutritive value to meet the normal daily requirements for the condition and size of the guinea pig or hamster.

(b) Food comprising the basic diet shall be at least equivalent in quality and content to pelleted rations produced commercially and commonly available from feed suppliers.

(c) The basic diet of guinea pigs and hamsters may be supplemented with good quality fruits or vegetables consistent with their individual dietary requirements.

(d) Food receptacles, if used, shall be accessible to all guinea pigs or hamsters in a primary enclosure and shall be located so as to minimize contamination by excreta. All food receptacles shall be kept clean and shall be sanitized at least once every 2 weeks. If self-feeders are used for the feeding of pelleted feed, measures must be taken to prevent molding, deterioration or caking of the feed. Hamsters may be fed pelleted feed on the floor of a primary enclosure.

(e) Fruit or vegetable food supplements may be placed upon the bedding within the primary enclosure: *Provided, however,* That the uneaten portion of such supplements and any bedding soiled as a result of such feeding practices shall be removed from the primary enclosure when such uneaten supplements accumulate or such bedding becomes soiled to a degree that might be harmful or uncomfortable to animals therein.

§ 3.30 Watering.

Unless food supplements consumed by guinea pigs or hamsters supply them with their normal water requirements, potable water shall be provided daily except as might otherwise be required to provide adequate veterinary care. Open containers used for dispensing water to guinea pigs or hamsters shall be so placed in or attached to the primary enclosure as to minimize contamination from excreta. All watering receptacles shall be sanitized when dirty: *Provided, however,* That such receptacles shall be sanitized at least once every 2 weeks.

§ 3.31 Sanitation.

(a) *Cleaning and sanitation of primary enclosures.* (1) Primary enclosures shall be cleaned and sanitized often enough to prevent an accumulation of excreta or debris: *Provided, however,* That such enclosures shall be sanitized at least once every 2 weeks in the manner provided in paragraph (a)(4) of this section.

(2) In the event a primary enclosure becomes soiled or wet to a degree that might be harmful or uncomfortable to the animals therein due to leakage of the watering system, discharges from dead or dying animals, spoiled perishable foods, or moisture condensation, the guinea pigs or hamsters shall be transferred to clean primary enclosures.

(3) Prior to the introduction of guinea pigs or hamsters into empty primary enclosures previously occupied, such enclosures shall be sanitized in the manner provided in paragraph (a)(4) of this section.

(4) Primary enclosures for guinea pigs or hamsters shall be sanitized by washing them with hot water (180° F.) and soap or detergent as in a mechanical cage washer, or by washing all soiled surfaces with a detergent solution followed by a safe and effective disinfectant, or by cleaning all soiled surfaces with live steam.

(b) *Housekeeping.* Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart. Premises shall remain free of accumulations of trash.

(c) *Pest control.* An effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained.

§ 3.32 Employees.

A sufficient number of employees shall be utilized to maintain the prescribed level of husbandry practices set forth in this subpart. Such practices shall be under the supervision of an animal caretaker who has a background in animal husbandry or care.

§ 3.33 Classification and separation.

Animals housed in the same primary enclosure shall be maintained in compatible groups, with the following additional restrictions:

(a) Except where harem breeding is practiced, preweanling guinea pigs shall not be housed in the same primary enclosure with adults other than their parents.

(b) Guinea pigs shall not be housed in the same primary enclosure with hamsters, nor shall guinea pigs or hamsters be housed in the same primary enclosure with any other species of animals.

(c) Guinea pigs or hamsters under quarantine or treatment for a communicable disease shall be separated from other guinea pigs or hamsters and other susceptible species of animals in such a manner as to minimize dissemination of such disease.

§ 3.34 [Reserved]

TRANSPORTATION STANDARDS

AUTHORITY: Sections 3.35 through 3.41 issued under secs. 3, 5, 6, 10, 11, 14, 16, 17, 21; 80 Stat. 353; 84 Stat. 1561, 1562, 1563, 1564; 90 Stat. 418, 419, 420, 423; (7 U.S.C. 2133, 2135, 2136, 2140, 2141, 2144, 2146, 2147, 2151); 37 FR 28464, 28477, 38 FR 19141.

§ 3.35 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers shall not accept any live guinea pig or hamster presented by any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local govenment for shipment, in commerce, more than 4 hours prior to the scheduled departure of the primary conveyance on which it is to be transported: *Provided, however,* That the carrier or intermediate handler and any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government may mutually agree to extend the time of acceptance to not more than 6 hours if specific prior scheduling of the animal shipment to destination has been made.

(b) Any carrier or intermediate handler shall only accept for transportation or transport, in commerce any live guinea pig or hamster in a primary enclosure which conforms to the requirements set forth in § 3.36 of the standards: *Provided, however,* That any carrier or intermediate handler may accept for transportation or transport, in commerce, any live guinea pig or hamster consigned by any department, agency, or instrumentality of the United States having laboratory animal facilities or exhibiting animals, or any licensed or registered dealer, research facility, exhibitor, or operator of an auction sale, if such consignor furnishes to the carrier or intermediate handler a certificate, signed by the consignor, stating that the primary enclosure complies with § 3.36 of the standards, unless such primary enclosure is obviously defective or damaged and it is apparent that it cannot reasonably be expected to contain the live guinea pig or hamster without causing suffering or injury to such live guinea pig or hamster. A copy of such certificate shall accompany the shipment to destination. The certificate of compliance shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of guinea pigs or hamsters in the primary enclosure(s);

(3) A certifying statement (e.g., ''I hereby certify that the —— (number) primary enclosure(s) which are used to transport the animal(s) in this shipment complies (comply) with USDA standards for primary enclosures (9 CFR part 3).''); and

(4) The signature of the consignor, and date.

(c) Carriers or intermediate handlers whose facilities fail to meet the minimum temperature allowed by the standards may accept for transportation or transport, in commerce, any live hamster consigned by any department, agency, or instrumentality of the United States or of any State or local government, or by any person (including any licensee or registrant under the Act, as well as any private individual) if the consignor furnishes to the carrier or intermediate handler a certificate executed by a veterinarian accredited by this Department pursuant to part 160 of this title on a specified date which shall not be more than 10 days prior to delivery of such hamster for transportation in commerce, stating that such live hamster is acclimated to air temperatures lower than those prescribed in §§ 3.40 and 3.41. A copy of such certificate shall accompany the shipment to destination. The certificate shall include the following information:

(1) Name and address of the consignor;

(2) The number of hamsters in the shipment;

(3) A certifying statement (e.g., ''I hereby certify that the animal(s) in this shipment is (are), to the best of my knowledge, acclimated to air temperatures lower than 7.2° C. (45° F.).''); and

(4) The signature of the USDA accredited veterinarian, assigned accreditation number, and date.

(d) Carriers and intermediate handlers shall attempt to notify the consignee at least once in every 6 hour period following the arrival of any live guinea pig or hamster at the animal holding area of the terminal cargo facility. The time, date, and method of each attempted notification and the final notification to the consignee and the name of the person notifying the consignee shall be recorded on the copy of the shipping document retained by the carrier or intermediate handler and on a copy of the shipping document accompanying the animal shipment.

[42 FR 31563, June 21, 1977, as amended at 43 FR 22163, May 16, 1978; 44 FR 63492, Nov. 2, 1979]

§ 3.36 Primary enclosures used to transport live guinea pigs and hamsters.

No person subject to the Animal Welfare regulations shall offer for transportation, or transport, in commerce any live guinea pig or hamster in a primary enclosure that does not conform to the following requirements:

(a) Primary enclosures, such as compartments, transport cages, cartons, or crates, used to transport live guinea pigs or hamsters shall be constructed in such a manner that (1) the structural strength of the enclosure shall be sufficient to contain the live guinea pigs or hamsters and to withstand the normal rigors of transportation; (2) the interior of the enclosure shall be free from any protrusions that could be injurious to the live guinea pigs or hamsters contained therein; (3) the inner surfaces of corrugated fiberboard, cardboard, or plastic containers shall be covered or laminated with wire mesh or screen where necessary to prevent escape of the animals; (4) the openings of such enclosures are easily accessible at all times for emergency removal of the live guinea pigs or hamsters; (5) except as provided in paragraph (i) of this section, there are ventilation openings located on two opposite walls of the primary enclosure and the ventilation openings on each such wall shall be at least 16 percent of the total surface area of each such wall, or there are ventilation openings located on all four walls of the primary enclosure and the ventilation openings on each such wall shall be at least 8 percent of the total surface area of each such wall: *Provided, however,* That at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the lower one-half of the primary enclosure and at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the upper one-half of the primary enclosure; (6) except as provided in paragraph (i) of this section, projecting rims or other devices shall be on the exterior of the outside walls with any ventilation openings to prevent obstruction of the ventilation openings and to provide a minimum air circulation space of 1.9 centimeters (.75 inches) between the

primary enclosure and any adjacent cargo or conveyance wall; and (7) except as provided in paragraph (i) of this section, adequate handholds or other devices for lifting shall be provided on the exterior of the primary enclosure to enable the primary enclosure to be lifted without tilting and to ensure that the person handling the primary enclosure will not be in contact with the guinea pigs or hamsters.

(b) Live guinea pigs or hamsters tranported in the same primary enclosure shall be of the same species and maintained in compatible groups.

(c) Primary enclosures used to transport live guinea pigs or hamsters shall be large enough to ensure that each animal contained therein has sufficient space to turn about freely and to make normal postural adjustments.

(d) Not more than 15 live guinea pigs shall be transported in the same primary enclosure. No more than 50 live hamsters shall be transported in the same primary enclosure.

(e) In addition to the other provisions of this section, the following requirements shall also apply to primary enclosures used to transport live guinea pigs or hamsters:

(1) *Guinea pigs.* (i) The interior height of primary enclosures used to tranport live guinea pigs weighing up to 500 grams shall be at least 15.2 centimeters (6 inches) and the interior height of primary enclosures used to transport live guinea pigs weighing over 500 grams shall be at least 17.8 centimeters (7 inches).

(ii) Each live guinea pig transported in a primary enclosure shall be provided a minimum amount of floor space in accordance with the following table:

MINIMUM SPACE PER LIVE GUINEA PIG

Weight (grams)	Square centimeters	Square inches
Up to 350	193.6	30
350 to 600	290.3	45
Over 600	354.8	55

(2) *Hamsters.* (i) The interior height of primary enclosures used to transport live hamsters shall be at least 15.2 centimeters (6 inches) except that in the case of dwarf hamsters such interior height shall be at least 12.7 centimeters (5 inches).

(ii) Each live hamster transported in a primary enclosure shall be provided a minimum amount of floor space in accordance with the following table:

MINIMUM SPACE PER LIVE HAMSTER

Age	Dwarf		Other	
	Square centimeters	Square inches	Square centimeters	Square inches
Weaning to 5 wks	32.2	5.0	45.2	7
5 to 10 wks	48.3	7.5	71.0	11
Over 10 wks	58.1	9.0	96.8	15

(f) Primary enclosures used to transport live guinea pigs or hamsters as provided in this section shall have solid bottoms to prevent leakage in shipment and shall be cleaned and sanitized in a manner prescribed in §3.31 of the standards, if previously used. Such primary enclosures shall contain clean litter of a suitable absorbent material, which is safe and nontoxic to the guinea pigs or hamsters, in sufficient quantity to absorb and cover excreta, unless the guinea pigs or hamsters are on wire or other nonsolid floors.

(g) Primary enclosures used to transport live guinea pigs or hamsters, except where such primary enclosures are permanently affixed in the animal cargo space of the primary conveyance, shall be clearly marked on top and on one or more sides with the words ''Live Animals'' in letters not less than 2.5 centimeters (1 inch) in height, and with arrows or other markings, to indicate the correct upright position of the container.

(h) Documents accompanying the shipment shall be attached in an easily accessible manner to the outside of a

primary enclosure which is part of such shipment.

(i) When a primary enclosure is permanently affixed within the animal cargo space of the primary conveyance so that the front opening is the only source of ventilation for such primary enclosure, the front opening shall open directly to the outside or to an unobstructed aisle or passageway within the primary conveyance. Such front ventilation opening shall be at least 90 percent of the total surface area of the front wall of the primary enclosure and covered with bars, wire mesh or smooth expanded metal.

[42 FR 31563, June 21, 1977, as amended at 43 FR 21163, May 16, 1978; 55 FR 28882, July 16, 1990]

§ 3.37 Primary conveyances (motor vehicle, rail, air, and marine).

(a) The animal cargo space of primary conveyances used in transporting live guinea pigs and hamsters shall be designed and constructed to protect the health, and ensure the safety and comfort of the live guinea pigs and hamsters at all times.

(b) The animal cargo space shall be constructed and maintained in a manner to prevent the ingress of engine exhaust fumes and gases from the primary conveyance during transportation in commerce.

(c) No live guinea pig or hamster shall be placed in an animal cargo space that does not have a supply of air sufficient for normal breathing for each live animal contained therein, and the primary enclosures shall be positioned in the animal cargo space in such a manner that each live guinea pig or hamster has access to sufficient air for normal breathing.

(d) Primary enclosures shall be positioned in the primary conveyance in such a manner that in an emergency the live guinea pigs or hamsters can be removed from the primary conveyance as soon as possible.

(e) The interior of the animal cargo space shall be kept clean.

(f) Live guinea pigs and hamsters shall not be transported with any material, substance (e.g., dry ice) or device which may reasonably be expected to be injurious to the health and well-being of the guinea pigs and hamsters unless proper precaution is taken to prevent such injury.

(g) The animal cargo space of primary conveyances used to transport guinea pigs or hamsters shall be mechanically sound and provide fresh air by means of windows, doors, vents, or air conditioning so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as fans, blowers, or air conditioners, shall be used in any cargo space containing live guinea pigs or hamsters when the ambient temperature in the animal cargo space is 75 °F (23.9 °C) or higher. The ambient temperature within the animal cargo space shall not exceed 85 °F (29.5 °C) or fall below 45 °F (7.2 °C), except that the ambient temperature in the cargo space may be below 45 °F (7.2 °C) for hamsters if the hamsters are accompanied by a certificate of acclimation to lower temperatures, as provided in § 3.35(c) of this part.

[42 FR 31563, June 21, 1977, as amended at 55 FR 28882, July 16, 1990]

§ 3.38 Food and water requirements.

(a) If live guinea pigs or hamsters are to be transported for a period of more than 6 hours, the animals shall have access to food and water or a type of food, which provides the requirements for food and water in quantity and quality sufficient to satisfy their food and water needs, during transit.

(b) Any dealer, research facility, exhibitor or operator of an auction sale offering any live guinea pig or hamster to any carrier or intermediate handler for transportation, in commerce, shall provide an adequate supply of food or type of food, which provides the requirements for food and water, within the primary enclosure to meet the requirements of this section.

(c) No carrier or intermediate handler shall accept for transportation, in commerce, any live guinea pig or hamster without an adequate supply of food or type of food, which provides the requirements for food and water, within the primary enclosure to meet the requirements of this section.

[42 FR 31563, June 21, 1977]

§ 3.39 Care in transit.

(a) During surface transportation, it shall be the responsibility of the driver or other employee to visually observe the live guinea pigs or hamsters as frequently as circumstances may dictate, but not less than once every 4 hours, to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any of the live guinea pigs or hamsters are in obvious physical distress and to provide any needed veterinary care as soon as possible. When transported by air, live guinea pigs and hamsters shall be visually observed by the carrier as frequently as circumstances may dictate, but not less than once every 4 hours, if the animal cargo space is accessible during flight. If the animal cargo space is not accessible during flight, the carrier shall visually observe the live guinea pigs or hamsters whenever loaded and unloaded and whenever the animal cargo space is otherwise accessible to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any such live guinea pigs or hamsters are in obvious physical distress. The carrier shall provide any needed veterinary care as soon as possible. No guinea pig or hamster in obvious physical distress shall be transported in commerce.

(b) During the course of transportation, in commerce, live guinea pigs or hamsters shall not be removed from their primary enclosures unless placed in other primary enclosures or facilities conforming to the requirements provided in this subpart.

[42 FR 31563, June 21, 1977]

§ 3.40 Terminal facilities.

No person subject to the Animal Welfare regulations shall commingle shipments of live guinea pigs or hamsters with inanimate cargo. All animal holding areas of a terminal facility where shipments of live guinea pigs or hamsters are maintained shall be cleaned and sanitized as prescribed in § 3.31 of the standards often enough to prevent an accumulation of debris or excreta, to minimize vermin infestation, and to prevent a disease hazard. An effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained for all animal holding areas. Any animal holding area containing live guinea pigs or hamsters shall be provided with fresh air by means of windows, doors, vents, or air conditioning and may be ventilated or air circulated by means of fans, blowers, or an air conditioning system so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans and vents or fans or blowers or air conditioning shall be used for any animal holding area containing live guinea pigs and hamsters when the air temperature within such animal holding area is 23.9° C. (75.° F.) or higher. The air temperature around any live guinea pig or hamster in any animal holding area shall not be allowed to fall below 7.2° C. (45° F.) nor be allowed to exceed 29.5° C. (85° F.) at any time. To ascertain compliance with the provisions of this paragraph, the air temperature around any live guinea pig or hamster shall be measured and read outside the primary enclosure which contains such guinea pig or hamster at a distance not to exceed .91 meters (3 feet) from any one of the external walls of the primary enclosure and measured on a level parallel to the bottom of such primary enclosure at a point which approximates half the distance between the top and bottom of such primary enclosure.

[43 FR 56215, Dec. 1, 1978, as amended at 55 FR 28883, July 16, 1990]

§ 3.41 Handling.

(a) Any person who is subject to the Animal Welfare regulations and who moves live guinea pigs or hamsters from an animal holding area of a terminal facility to a primary conveyance or vice versa shall do so as quickly and efficiently as possible. Any person subject to the Animal Welfare Act and holding any live guinea pig or hamster in an animal holding area of a terminal facility or transporting any live guinea pig or hamster to or from a terminal facility shall provide the following:

(1) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort, sufficient shade shall be provided to protect the live guinea pigs and hamsters from the direct rays of the sun and such live guinea pigs or hamsters shall not be subjected to surrounding air temperatures which exceed 29.5° C. (85° F.), and which shall be measured and read in the manner prescribed § 3.40 of this part, for a period of more than 45 minutes.

(2) *Shelter from rain or snow.* Live guinea pigs and hamsters shall be provided protection to allow them to remain dry during rain or snow.

(3) *Shelter from cold weather.* Transporting devices shall be covered to provide protection for live guinea pigs and hamsters when the outdoor air temperature falls below 10° C. (50° F.), and such live guinea pigs and hamsters shall not be subjected to surrounding air temperatures which fall below 7.2° C. (45° F.), and which shall be measured and read in the manner prescribed in § 3.40 of this part, for a period of more than 45 minutes.

(b) Care shall be exercised to avoid handling of the primary enclosure in such a manner that may cause physical or emotional trauma to the live guinea pig or hamster contained therein.

(c) Primary enclosures used to transport any live guinea pig or hamster shall not be tossed, dropped, or needlessly tilted and shall not be stacked in a manner which may reasonably be expected to result in their falling.

[43 FR 21163, May 16, 1978, as amended at 43 FR 56216, Dec. 1, 1978; 55 FR 28883, July 16, 1990]

Subpart C—Specifications for the Humane Handling, Care, Treatment and Transportation of Rabbits

FACILITIES AND OPERATING STANDARDS

§ 3.50 Facilities, general.

(a) *Structural strength.* Indoor and outdoor housing facilities for rabbits shall be structurally sound and shall be maintained in good repair, to protect the animals from injury, to contain the animals, and to restrict the entrance of other animals.

(b) *Water and electric power.* Reliable and adequate electric power, if required to comply with other provisions of this subpart, and adequate potable water shall be available.

(c) *Storage.* Supplies of food and bedding shall be stored in facilities which adequately protect such supplies against infestation or contamination by vermin. Refrigeration shall be provided for supplies of perishable food.

(d) *Waste disposal.* Provision shall be made for the removal and disposal of animal and food wastes, bedding, dead animals, and debris. Disposal facilities shall be so provided and operated as to minimize vermin infestation, odors, and disease hazards.

(e) *Washroom and sinks.* Facilities, such as washrooms, basins, or sinks, shall be provided to maintain cleanliness among animal caretakers.

[32 FR 3273, Feb. 24, 1967, as amended at 44 FR 63492, Nov. 2, 1979]

§ 3.51 Facilities, indoor.

(a) *Heating.* Indoor housing facilities for rabbits need not be heated.

(b) *Ventilation.* Indoor housing facilities for rabbits shall be adequately ventilated to provide for the health and comfort of the animals at all times. Such facilities shall be provided with fresh air either by means of windows, doors, vents, or air conditioning and shall be ventilated so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans and vents or air conditioning, shall be provided when the ambient temperature is 85° F. or higher.

(c) *Lighting.* Indoor housing facilities for rabbits shall have ample light, by natural or artificial means, or both, of good quality and well distributed. Such lighting shall provide uniformly distributed illumination of sufficient light intensity to permit routine inspection and cleaning during the entire working period. Primary enclosures shall be so placed as to protect the rabbits from excessive illumination.

(d) *Interior surfaces.* The interior building surfaces of indoor housing facilities shall be constructed and maintained so that they are substantially impervious to moisture and may be readily sanitized.

§ 3.52 Facilities, outdoor.

(a) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort, sufficient shade shall be provided to allow all rabbits kept outdoors to protect themselves from the direct rays of the sun. When the atmospheric temperature exceeds 90° F. artificial cooling shall be provided by a sprinkler system or other means.

(b) *Shelter from rain or snow.* Rabbits kept outdoors shall be provided with access to shelter to allow them to remain dry during rain or snow.

(c) *Shelter from cold weather.* Shelter shall be provided for all rabbits kept outdoors when the atmospheric temperature falls below 40° F.

(d) *Protection from predators.* Outdoor housing facilities for rabbits shall be fenced or otherwise enclosed to minimize the entrance of predators.

(e) *Drainage.* A suitable method shall be provided to rapidly eliminate excess water.

§ 3.53 Primary enclosures.

All primary enclosures for rabbits shall conform to the following requirements:

(a) *General.* (1) Primary enclosures shall be structurally sound and maintained in good repair to protect the rabbits from injury, to contain them, and to keep predators out.

(2) Primary enclosures shall be constructed and maintained so as to enable the rabbits to remain dry and clean.

(3) Primary enclosures shall be constructed and maintained so that the rabbits contained therein have convenient access to clean food and water as required in this subpart.

(4) The floors of the primary enclosures shall be constructed so as to protect the rabbits' feet and legs from injury. Litter shall be provided in all primary enclosures having solid floors.

(5) A suitable nest box containing clean nesting material shall be provided in each primary enclosure housing a female with a litter less than one month of age.

(b) *Space requirements for primary enclosures acquired before August 15, 1990.* Primary enclosures shall be constructed and maintained so as to provide sufficient space for the animal to make normal postural adjustments with adequate freedom of movement. Each rabbit housed in a primary enclosure shall be provided a minimum amount of floor space, exclusive of the space taken up by food and water receptacles, in accordance with the following table:

Category	Individual weights (pounds)	Minimum space per rabbit (square inches)
Groups	3 through 5	144
	6 through 8	288
	9 or more	432
Individual adults	3 through 5	180
	6 through 8	360
	9 through 11	540
	12 or more	720
Nursing females	3 through 5	576
	6 through 8	720
	9 through 11	864
	12 or more	1080

(c) *Space requirements for primary enclosures acquired on or after August 15, 1990.*

(1) Primary enclosures shall be constructed and maintained so as to provide sufficient space for the animal to make normal postural adjustments with adequate freedom of movement.

(2) Each rabbit housed in a primary enclosure shall be provided a minimum amount of floor space, exclusive of the space taken up by food and water receptacles, in accordance with the following table:

	Individual weights		Minimum floor space		Minimum interior height	
	kg	lbs	m^2	ft^2	cm	in
Individual rabbits (weaned)	<2	<4.4	0.14	1.5	35.56	14
	2–4	4.4–8.8	0.28	3.0	35.56	14
	4–5.4	8.8–11.9	0.37	4.0	35.56	14
	>5.4	>11.9	0.46	5.0	35.56	14

	Weight of nursing female		Minimum floor space/female & litter		Minimum interior height	
	kg	lbs	m^2	ft^2	cm	in
Females with litters	<2	<4.4	0.37	4.0	35.56	14
	2–4	4.4–8.8	0.46	5.0	35.56	14
	4–5.4	8.8–11.9	0.56	6.0	35.56	14
	>5.4	>11.9	0.70	7.5	35.56	14

(3) Innovative primary enclosures that do not precisely meet the space requirements of paragraph (c)(2) of this section, but that do provide rabbits with a sufficient volume of space and the opportunity to express species-typical behavior, may be used at research facilities when approved by the Institutional Animal Care and Use Committee, and by dealers and exhibitors when approved by the Administrator.

[32 FR 3273, Feb. 24, 1967, as amended at 55 FR 28883, July 16, 1990]

ANIMAL HEALTH AND HUSBANDRY STANDARDS

§ 3.54 Feeding.

(a) Rabbits shall be fed at least once each day except as otherwise might be required to provide adequate veterinary care. The food shall be free from contamination, wholesome, palatable and of sufficient quantity and nutritive value to meet the normal daily requirements for the condition and size of the rabbit.

(b) Food receptacles shall be accessible to all rabbits in a primary enclosure and shall be located so as to minimize contamination by excreta. All food receptacles shall be kept clean and sanitized at least once every 2 weeks. If self feeders are used for the feeding of dry feed, measures must be taken to prevent molding, deterioration or caking of the feed.

§ 3.55 Watering.

Sufficient potable water shall be provided daily except as might otherwise be required to provide adequate veterinary care. All watering receptacles shall be sanitized when dirty: *Provided, however,* That such receptacles shall be sanitized at least once every 2 weeks.

§ 3.56 Sanitation.

(a) *Cleaning of primary enclosures.* (1) Primary enclosures shall be kept reasonably free of excreta, hair, cobwebs and other debris by periodic cleaning. Measures shall be taken to prevent the wetting of rabbits in such enclosures if a washing process is used.

(2) In primary enclosures equipped with solid floors, soiled litter shall be removed and replaced with clean litter at least once each week.

(3) If primary enclosures are equipped with wire or mesh floors, the troughs or pans under such enclosures shall be cleaned at least once each week. If worm bins are used under such enclosures they shall be maintained in a sanitary condition.

(b) *Sanitization of primary enclosures.* (1) Primary enclosures for rabbits shall be sanitized at least once every 30 days in the manner provided in paragraph (b)(3) of this section.

(2) Prior to the introduction of rabbits into empty primary enclosures previously occupied, such enclosures shall be sanitized in the manner provided in paragraph (b)(3) of this section.

(3) Primary enclosures for rabbits shall be sanitized by washing them with hot water (180° F.) and soap or detergent as in a mechanical cage washer, or by washing all soiled surfaces with a detergent solution followed by a safe and effective disinfectant, or by cleaning all soiled surfaces with live steam or flame.

(c) *Housekeeping.* Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart. Premises shall remain free of accumulations of trash.

(d) *Pest control.* An effective program for the control of insects,

ectoparasites, and avian and mammalian pests shall be established and maintained.

§ 3.57 Employees.

A sufficient number of employees shall be utilized to maintain the prescribed level of husbandry practices set forth in this subpart. Such practices shall be under the supervision of an animal caretaker who has a background in animal husbandry or care.

§ 3.58 Classification and separation.

Animals housed in the same primary enclosure shall be maintained in compatible groups, with the following additional restrictions:

(a) Rabbits shall not be housed in the same primary enclosure with any other species of animals unless required for scientific reasons.

(b) Rabbits under quarantine or treatment for a communicable disease shall be separated from other rabbits and other susceptible species of animals in such a manner as to minimize dissemination of such disease.

§ 3.59 [Reserved]

TRANSPORTATION STANDARDS

AUTHORITY: Sections 3.60 through 3.66 issued under secs. 3, 5, 6, 10, 11, 14, 16, 17, 21; 80 Stat. 353; 84 Stat. 1561, 1562, 1563, 1564; 90 Stat. 418, 420, 423 (7 U.S.C. 2133, 2135, 2136, 2140, 2141, 2144, 2146, 2147, 2151); 37 FR 28464, 28477, 38 FR 19141.

SOURCE: Sections 3.60 through 3.66 appear at 42 FR 31565, June 21, 1977, unless otherwise noted.

§ 3.60 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers shall not accept any live rabbit presented by any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government for shipment, in commerce, more than 4 hours prior to the scheduled departure of the primary conveyance on which it is to be transported: *Provided, however,* That the carrier or intermediate handler and any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government may mutually agree to extend the time of acceptance to not more than 6 hours if specific prior scheduling of the animal shipment to destination has been made.

(b) Any carrier or intermediate handler shall only accept for transportation or transport, in commerce, any live rabbit in a primary enclosure which conforms to the requirements set forth in § 3.61 of the standards: *Provided, however,* That any carrier or intermediate handler may accept for transportation or transport, in commerce, any live rabbit consigned by any department, agency, or instrumentality of the United States having laboratory animal facilities or exhibiting animals or any licensed or registered dealer, research facility, exhibitor, or operator of any auction sale, if such consignor furnishes to the carrier or intermediate handler a certificate, signed by the consignor, stating that the primary enclosure complies with § 3.61 of the standards, unless such primary enclosure is obviously defective or damaged and it is apparent that it cannot reasonably be expected to contain the live rabbit without causing suffering or injury to such live rabbit. A copy of such certificate shall accompany the shipment to destination. The certificate shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of rabbits in the primary enclosure(s);

(3) A certifying statement (e.g., ''I hereby certify that the —— (number) primary enclosure(s) which are used to transport the animal(s) in this shipment complies (comply) with USDA standards for primary enclosures (9 CFR part 3).''); and

(4) The signature of the consignor, and date.

(c) Carriers or intermediate handlers whose facilities fail to meet the minimum temperature allowed by the standards may accept for transportation or transport, in commerce, any live rabbit consigned by any department, agency, or instrumentality of the United States or of any State or

local government, or by any person (including any licensee or registrant under the Act, as well as any private individual) if the consignor furnishes to the carrier or intermediate handler a certificate executed by a veterinarian accredited by this Department pursuant to part 160 of this title on a specified date which shall not be more than 10 days prior to delivery of such rabbit for transportation in commerce, stating that such live rabbit is acclimated to air temperatures lower than those prescribed in §§ 3.65 and 3.66. A copy of such certificate shall accompany the shipment to destination. The certificate shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of rabbits in the shipment;

(3) A certifying statement (e.g., ''I hereby certify that the animal(s) in this shipment is (are), to the best of my knowledge, acclimated to air temperatures lower than 7.2° C. (45° F.).)''; and

(4) The signature of the USDA accredited veterinarian, assigned accreditation number, and date.

(d) Carriers and intermediate handlers shall attempt to notify the consignee at least once in every 6 hour period following the arrival of any live rabbit at the animal holding area of the terminal cargo facility. The time, date, and method of each attempted notification and the final notification to the consignee and the name of the person notifying the consignee shall be recorded on the copy of the shipping document retained by the carrier or intermediate handler and on a copy of the shipping document accompanying the animal shipment.

[42 FR 31565, June 21, 1977, as amended at 43 FR 21164, May 16, 1978; 44 FR 63493, Nov. 2, 1979]

§ 3.61 Primary enclosures used to transport live rabbits.

No person subject to the Animal Welfare regulations shall offer for transportation or transport in commerce any live rabbit in a primary enclosure that does not conform to the following requirements:

(a) Primary enclosures, such as compartments, transport cages, cartons, or crates, used to transport live rabbits shall be constructed in such a manner that:

(1) The stuctural strength of the enclosure shall be sufficient to contain the live rabbits and to withstand the normal rigors of transportation;

(2) The interior of the enclosure shall be free from any protrusions that could be injurious to the live rabbits contained therein;

(3) The openings of such enclosures are easily accessible at all times for emergency removal of the live rabbits;

(4) Except as provided in paragraph (h) of this section, there are ventilation openings located on two opposite walls of the primary enclosure and the ventilation openings on each such wall shall be at least 16 percent of the total surface area of each such wall, or there are ventilation openings located on all four walls of the primary enclosure and the ventilation openings on each such wall shall be at least 8 percent of the total surface area of each such wall: *Provided, however,* That at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the lower one-half of the primary enclosure and at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the upper one-half of the primary enclosure;

(5) Except as provided in paragraph (h) of this section, projecting rims or other devices shall be on the exterior of the outside walls with any ventilation openings to prevent obstruction of the ventilation openings and to provide a minimum air circulation space 1.9 centimeters (.75 inch) between the primary enclosure and any adjacent cargo or conveyance wall; and

(6) Except as provided in paragraph (h) of this section, adequate handholds or other devices for lifting shall be provided on the exterior of the primary enclosure to enable the primary enclosure to be lifted without tilting and to ensure that the person handling the primary enclosure will not be in contact with the rabbit.

(b) Live rabbits transported in the same primary enclosure shall be maintained in compatible groups and shall not be transported in the same primary enclosure with other specie of animals.

(c) Primary enclosures used to transport live rabbits shall be large enough to ensure that each rabbit contained therein has sufficient space to turn about freely and to make normal postural adjustments.

(d) Not more than 15 live rabbits shall be transported in the same primary enclosure.

(e) Primary enclosures used to transport live rabbits as provided in this section shall have solid bottoms to prevent leakage in shipment and shall be cleaned and sanitized in a manner prescribed in §3.56 of the standards, if previously used. Such primary enclosures shall contain clean litter of a suitable absorbent material which is safe and nontoxic to the rabbits, in sufficient quantity to absorb and cover excreta, unless the rabbits are on wire or other nonsolid floors.

(f) Primary enclosures used to transport live rabbits, except where such primary enclosures are permanently affixed in the animal cargo space of the primary conveyance, shall be clearly marked on top and on one or more sides with the works ''Live Animal'' in letters not less than 2.5 centimeters (1 inch) in height, and with arrows or other markings, to indicate the correct upright position of the container.

(g) Documents accompanying the shipment shall be attached in an easily accessible manner to the outside of a primary enclosure which is part of such shipment.

(h) When a primary enclosure is permanently affixed within the animal cargo space of the primary conveyance so that the front opening is the only source of ventilation for such primary enclosure, the front opening shall open directly to the outside or to an unobstructed aisle or passageway within the primary conveyance. Such front ventilation opening shall be at least 90 percent of the total surface area of the front wall of the primary enclosure and covered with bars, wire mesh or smooth expanded metal.

[42 FR 31565, June 21, 1977, as amended at 43 FR 21164, May 16, 1978; 55 FR 28883, July 16, 1990]

§ 3.62 Primary conveyances (motor vehicle, rail, air, and marine).

(a) The animal cargo space of primary conveyances used in transporting live rabbits shall be designed and constructed to protect the health, and ensure the safety and comfort of the rabbits contained therein at all times.

(b) The animal cargo space shall be constructed and maintained in a manner to prevent the ingress of engine exhaust fumes and gases from the primary conveyance during transportation in commerce.

(c) No live rabbit shall be placed in an animal cargo space that does not have a supply of air sufficient for normal breathing for each live animal contained therein, and the primary enclosures shall be positioned in the animal cargo space in such a manner that each rabbit has access to sufficient air for normal breathing.

(d) Primary enclosures shall be positioned in the primary conveyance in such a manner that in an emergency the live rabbits can be removed from the primary conveyance as soon as possible.

(e) The interior of the animal cargo space shall be kept clean.

(f) Live rabbits shall not be transported with any material, substance (e.g., dry ice) or device which may reasonably be expected to be injurious to the health and well-being of the rabbits unless proper precaution is taken to prevent such injury.

(g) The animal cargo space of primary conveyances used to transport rabbits shall be mechanically sound and provide fresh air by means of windows, doors, vents, or air conditioning so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as fans, blowers, or air conditioners, shall be used in any cargo space containing live rabbits when the ambient temperature in the animal cargo space is 75 °F (23.9 °C) or higher. The ambient temperature within the animal cargo space shall not exceed 85

°F (29.5 °C) or fall below 45 °F (7.2 °C), except that the ambient temperature in the cargo space may be below 45 °F (7.2 °C) if the rabbits are accompanied by a certificate of acclimation to lower temperatures, as provided in §3.60(c) of this part.

[42 FR 31565, June 21, 1977, as amended at 55 FR 28883, July 16, 1990]

§3.63 Food and water requirements.

(a) If live rabbits are to be transported for a period of more than 6 hours, they shall have access to food and water or a type of food, which provides the requirements for food and water in quantity and quality sufficient to satisfy their food and water needs, during transit.

(b) Any dealer, research facility, exhibitor or operator of an auction sale offering any live rabbit to any carrier or intermediate handler for transportation, in commerce, shall provide an adequate supply of food or type of food, which provides the requirements for food and water, within the primary enclosure to meet the requirements of this section.

(c) No carrier or intermediate handler shall accept for transportation, in commerce, any live rabbit without an adequate supply of food or type of food, which provides the requirements for food and water, within the primary enclosure to meet the requirements of this section.

§3.64 Care in transit.

(a) During surface transportation, it shall be th responsibility of the driver or other employee to visually observe the live rabbits as frequently as circumstances may dictate, but not less than once every 4 hours, to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any of the live rabbits are in obvious physical disress and to provide any needed veterinary care as soon as possible. When transported by air, live rabbits shall be visually observed by the carrier as frequently as circumstances may dictate, but not less than once every 4 hours, if the cargo space is accessible during flight. If the animal cargo space is not accessible during flight, the carrier shall visually observe the live rabbits whenever loaded and unloaded and whenever the animal cargo space is otherwise accessible to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any such live rabbits are in obvious physical distress. The carrier shall provide any needed veterinary care as soon as possible. No rabbit in obvious physical distress shall be transported in commerce.

(b) During the course of transportation, in commerce, live rabbits shall not be removed from their primary enclosures unless placed in other primary enclosures or facilities conforming to the requirements provided in this subpart.

§3.65 Terminal facilities.

No person subject to the Animal Welfare regulations shall commingle shipments of live rabbits with inanimate cargo. All animal holding areas of a terminal facility where shipments of rabbits are maintained shall be cleaned and sanitized as prescribed in §3.56 of the standards often enough to prevent an accumulation of debris or excreta, to minimize vermin infestation, and to prevent a disease hazard. An effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained for all animal holding areas. Any animal holding area containing live rabbits shall be provided with fresh air by means of windows, doors, vents, or air conditioning and may be ventilated or air circulated by means of fans, blowers, or an air conditioning system so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans and vents or fans or blowers or air conditioning shall be used for any animal holding area containing live rabbits when the air temperature within such animal holding area is 23.9° C. (75° F.) or higher. The air temperature around any live rabbit in any animal holding area shall not be allowed to fall below 7.2° C. (45° F.) nor be allowed to exceed 29.5° C. (85° F.) at any

time. To ascertain compliance with the provisions of this paragraph, the air temperature around any live rabbit shall be measured and read outside the primary enclosure which contains such rabbit at a distance not to exceed .91 meters (3 feet) from any one of the external walls of the primary enclosure and on a level parallel to the bottom of such primary enclosure at a point which approximates half the distance between the top and bottom of such primary enclosure.

[43 FR 56216, Dec. 1, 1978, as amended at 55 FR 28883, July 16, 1990]]

§ 3.66 Handling.

(a) Any person who is subject to the Animal Welfare regulations and who moves live rabbits from an animal holding area of a terminal facility to a primary conveyance or vice versa shall do so as quickly and efficiently as possible. Any person subject to the Animal Welfare regulations and holding any live rabbit in an animal holding area of a terminal facility or transporting any live rabbit to or from a terminal facility shall provide the following:

(1) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort, sufficient shade shall be provided to protect the live rabbits from the direct rays of the sun and such live rabbits shall not be subjected to surrounding air temperatures which exceed 29.5° C. (85° F.), and which shall be measured and read in the manner prescribed in § 3.65 of this part, for a period of more than 45 minutes.

(2) *Shelter from rain or snow.* Live rabbits shall be provided protection to allow them to remain dry during rain or snow.

(3) *Shelter from cold weather.* Transporting devices shall be covered to provide protection for live rabbits when the outdoor air temperature falls below 10° C. (50° F.), and such live rabbits shall not be subjected to surrounding air temperatures which fall below 7.2° C. (45° F.), and which shall be measured and read in the manner prescribed in § 3.65 of this part, for a period of more than 45 minutes unless such rabbits are accompanied by a certificate of acclimation to lower temperatures as prescribed in § 3.60(c).

(b) Care shall be exercised to avoid handling of the primary enclosure in such a manner that may cause physical or emotional trauma to the live rabbit contained therein.

(c) Primary enclosures used to transport any live rabbit shall not be tossed, dropped, or needlessly tilted and shall not be stacked in a manner which may reasonably be expected to result in their falling.

[43 FR 21164, May 16, 1978, as amended at 43 FR 56216, Dec. 1, 1978; 55 FR 28883, July 16, 1990]

Subpart D—Specifications for the Humane Handling, Care, Treatment, and Transportation of Nonhuman Primates [2]

SOURCE: 56 FR 6495, Feb. 15, 1991, unless otherwise noted.

FACILITIES AND OPERATING STANDARDS

§ 3.75 Housing facilities, general.

(a) *Structure:* construction. Housing facilities for nonhuman primates must be designed and constructed so that they are structurally sound for the species of nonhuman primates housed in them. They must be kept in good repair, and they must protect the animals from injury, contain the animals

[2] Nonhuman primates include a great diversity of forms, ranging from the marmoset weighing only a few ounces, to the adult gorilla weighing hundreds of pounds, and include more than 240 species. They come from Asia, Africa, and Central and South America, and they live in different habitats in nature. Some have been transported to the United States from their natural habitats and some have been raised in captivity in the United States. Their nutritional and activity requirements differ, as do their social and environmental requirements. As a result, the conditions appropriate for one species do not necessarily apply to another. Accordingly, these minimum specifications must be applied in accordance with the customary and generally accepted professional and husbandry practices considered appropriate for each species, and necessary to promote their psychological well-being.

These minimum standards apply only to live nonhuman primates, unless stated otherwise.

securely, and restrict other animals from entering.

(b) *Condition and site.* Housing facilities and areas used for storing animal food or bedding must be free of any accumulation of trash, waste material, junk, weeds, and other discarded materials. Animal areas inside of housing facilities must be kept neat and free of clutter, including equipment, furniture, or stored material, but may contain materials actually used and necessary for cleaning the area, and fixtures and equipment necessary for proper husbandry practices and research needs. Housing facilities other than those maintained by research facilities and Federal research facilities must be physically separated from any other businesses. If a housing facility is located on the same premises as any other businesses, it must be physically separated from the other businesses so that animals the size of dogs, skunks, and raccoons, are prevented from entering it.

(c) *Surfaces*—(1) *General requirements.* The surfaces of housing facilities—including perches, shelves, swings, boxes, houses, dens, and other furniture-type fixtures or objects within the facility—must be constructed in a manner and made of materials that allow them to be readily cleaned and sanitized, or removed or replaced when worn or soiled. Furniture-type fixtures or objects must be sturdily constructed and must be strong enough to provide for the safe activity and welfare of nonhuman primates. Floors may be made of dirt, absorbent bedding, sand, gravel, grass, or other similar material that can be readily cleaned, or can be removed or replaced whenever cleaning does not eliminate odors, diseases, pests, insects, or vermin. Any surfaces that come in contact with nonhuman primates must:

(i) Be free of excessive rust that prevents the required cleaning and sanitization, or that affects the structural strength of the surface; and

(ii) Be free of jagged edges or sharp points that might injure the animals.

(2) *Maintenance and replacement of surfaces.* All surfaces must be maintained on a regular basis. Surfaces of housing facilities—including houses, dens, and other furniture-type fixtures and objects within the facility—that cannot be readily cleaned and sanitized, must be replaced when worn or soiled.

(3) *Cleaning.* Hard surfaces with which nonhuman primates come in contact must be spot-cleaned daily and sanitized in accordance with §3.84 of this subpart to prevent accumulation of excreta or disease hazards. If the species scent mark, the surfaces must be sanitized or replaced at regular intervals as determined by the attending veterinarian in accordance with generally accepted professional and husbandry practices. Floors made of dirt, absorbent bedding, sand, gravel, grass, or other similar material, and planted enclosures must be raked or spot-cleaned with sufficient frequency to ensure all animals the freedom to avoid contact with excreta. Contaminated material must be removed or replaced whenever raking and spot cleaning does not eliminate odors, diseases, insects, pests, or vermin infestation. All other surfaces of housing facilities must be cleaned and sanitized when necessary to satisfy generally accepted husbandry standards and practices. Sanitization may be done by any of the methods provided in §3.84(b)(3) of this subpart for primary enclosures.

(d) *Water and electric power.* The housing facility must have reliable electric power adequate for heating, cooling, ventilation, and lighting, and for carrying out other husbandry requirements in accordance with the regulations in this subpart. The housing facility must provide running potable water for the nonhuman primates' drinking needs. It must be adequate for cleaning and for carrying out other husbandry requirements.

(e) *Storage.* Supplies of food and bedding must be stored in a manner that protects the supplies from spoilage, contamination, and vermin infestation. The supplies must be stored off the floor and away from the walls, to allow cleaning underneath and around the supplies. Food requiring refrigeration must be stored accordingly, and all food must be stored in a manner that prevents contamination and deterioration of its nutritive value. Only the food and bedding currently being used may be kept in animal areas, and when

not in actual use, open food and bedding supplies must be kept in leakproof containers with tightly fitting lids to prevent spoilage and contamination. Substances that are toxic to the nonhuman primates but that are required for normal husbandry practices must not be stored in food storage and preparation areas, but may be stored in cabinets in the animal areas.

(f) *Drainage and waste disposal.* Housing facility operators must provide for regular and frequent collection, removal, and disposal of animal and food wastes, bedding, dead animals, debris, garbage, water, and any other fluids and wastes, in a manner that minimizes contamination and disease risk. Housing facilities must be equipped with disposal facilities and drainage systems that are constructed and operated so that animal wastes and water are rapidly eliminated and the animals stay dry. Disposal and drainage systems must minimize vermin and pest infestation, insects, odors, and disease hazards. All drains must be properly constructed, installed, and maintained. If closed drainage systems are used, they must be equipped with traps and prevent the backflow of gases and the backup of sewage onto the floor. If the facility uses sump ponds, settlement ponds, or other similar systems for drainage and animal waste disposal, the system must be located far enough away from the animal area of the housing facility to prevent odors, diseases, insects, pests, and vermin infestation. If drip or constant flow watering devices are used to provide water to the animals, excess water must be rapidly drained out of the animal areas by gutters or pipes so that the animals stay dry. Standing puddles of water in animal areas must be mopped up or drained so that the animals remain dry. Trash containers in housing facilities and in food storage and food preparation areas must be leakproof and must have tightly fitted lids on them at all times. Dead animals, animal parts, and animal waste must not be kept in food storage or food preparation areas, food freezers, food refrigerators, and animal areas.

(g) *Washrooms and sinks.* Washing facilities, such as washrooms, basins, sinks, or showers must be provided for animal caretakers and must be readily accessible.

§ 3.76 Indoor housing facilities.

(a) *Heating, cooling, and temperature.* Indoor housing facilities must be sufficiently heated and cooled when necessary to protect nonhuman primates from temperature extremes and to provide for their health and well-being. The ambient temperature in the facility must not fall below 45 °F (7.2 °C) for more than 4 consecutive hours when nonhuman primates are present, and must not rise above 85 °F (29.5 °C) for more than 4 consecutive hours when nonhuman primates are present. The ambient temperature must be maintained at a level that ensures the health and well-being of the species housed, as directed by the attending veterinarian, in accordance with generally accepted professional and husbandry practices.

(b) *Ventilation.* Indoor housing facilities must be sufficiently ventilated at all times when nonhuman primates are present to provide for their health and well-being and to minimize odors, drafts, ammonia levels, and moisture condensation. Ventilation must be provided by windows, doors, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air conditioning, must be provided when the ambient temperature is 85 °F (29.5 °C) or higher. The relative humidity maintained must be at a level that ensures the health and well-being of the animals housed, as directed by the attending veterinarian, in accordance with generally accepted professional and husbandry practices.

(c) *Lighting.* Indoor housing facilities must be lighted well enough to permit routine inspection and cleaning of the facility, and observation of the nonhuman primates. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals. Primary enclosures must be placed in the housing facility so as to protect the

nonhuman primates from excessive light.

§ 3.77 Sheltered housing facilities.

(a) *Heating, cooling, and temperature.* The sheltered part of sheltered housing facilities must be sufficiently heated and cooled when necessary to protect the nonhuman primates from temperature extremes, and to provide for their health and well-being. The ambient temperature in the sheltered part of the facility must not fall below 45 °F (7.2 °C) for more than 4 consecutive hours when nonhuman primates are present, and must not rise above 85 °F (29.5 °C) for more than 4 consecutive hours when nonhuman primates are present, unless temperatures above 85 °F (29.5 °C) are approved by the attending veterinarian, in accordance with generally accepted husbandry practices. The ambient temperature must be maintained at a level that ensures the health and well-being of the species housed, as directed by the attending veterinarian, in accordance with generally accepted professional and husbandry practices.

(b) *Ventilation.* The sheltered part of sheltered animal facilities must be sufficiently ventilated at all times to provide for the health and well-being of nonhuman primates and to minimize odors, drafts, ammonia levels, and moisture condensation. Ventilation must be provided by windows, doors, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air conditioning, must be provided when the ambient temperature is 85 °F (29.5 °C) or higher. The relative humidity maintained must be at a level that ensures the health and well-being of the species housed, as directed by the attending veterinarian, in accordance with generally accepted professional and husbandry practices.

(c) *Lighting.* The sheltered part of sheltered housing facilities must be lighted well enough to permit routine inspection and cleaning of the facility, and observation of the nonhuman primates. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals. Primary enclosures must be placed in the housing facility so as to protect the nonhuman primates from excessive light.

(d) *Shelter from the elements.* Sheltered housing facilities for nonhuman primates must provide adequate shelter from the elements at all times. They must provide protection from the sun, rain, snow, wind, and cold, and from any weather conditions that may occur.

(e) *Capacity: multiple shelters.* Both the sheltered part of sheltered housing facilities and any other necessary shelter from the elements must be sufficiently large to provide protection comfortably to each nonhuman primate housed in the facility. If aggressive or dominant animals are housed in the facility with other animals, there must be multiple shelters or other means to ensure that each nonhuman primate has access to shelter.

(f) *Perimeter fence.* On and after February 15, 1994, the outdoor area of a sheltered housing facility must be enclosed by a fence that is of sufficient height to keep unwanted species out. Fences less than 6 feet high must be approved by the Administrator. The fence must be constructed so that it protects nonhuman primates by restricting unauthorized humans, and animals the size of dogs, skunks, and raccoons from going through it or under it and having contact with the nonhuman primates. It must be of sufficient distance from the outside wall or fence of the primary enclosure to prevent physical contact between animals inside the enclosure and outside the perimeter fence. Such fences less than 3 feet in distance from the primary enclosure must be approved by the Administrator. A perimeter fence is not required if:

(1) The outside walls of the primary enclosure are made of a sturdy, durable material such as concrete, wood, plastic, metal, or glass, and are high enough and constructed in a manner that restricts contact with or entry by humans and animals that are outside the sheltered housing facility; or

(2) The housing facility is surrounded by a natural barrier that restricts the nonhuman primates to the housing facility and protects them from contact with unauthorized humans and animals that are outside the sheltered housing facility, and the Administrator gives written permission

(g) *Public barriers.* Fixed public exhibits housing nonhuman primates, such as zoos, must have a barrier between the primary enclosure and the public at any time the public is present, that restricts physical contact between the public and the nonhuman primates. Nonhuman primates used in trained animal acts or in uncaged public exhibits must be under the direct control and supervision of an experienced handler or trainer at all times when the public is present. Trained nonhuman primates may be permitted physical contact with the public, as allowed under §2.131, but only if they are under the direct control and supervision of an experienced handler or trainer at all times during the contact.

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§3.78 0utdoor housing facilities.

(a) *Acclimation*. Only nonhuman primates that are acclimated, as determined by the attending veterinarian, to the prevailing temperature and humidity at the outdoor housing facility during the time of year they are at the facility, and that can tolerate the range of temperatures and climatic conditions known to occur at the facility at that time of year without stress or discomfort, may be kept in outdoor facilities.

(b) *Shelter from the elements.* Outdoor housing facilities for nonhuman primates must provide adequate shelter from the elements at all times. It must provide protection from the sun, rain, snow, wind, and cold, and from any weather conditions that may occur. The shelter must safely provide heat to the nonhuman primates to prevent the ambient temperature from falling below 45 °F (7.2 °C), except as directed by the attending veterinarian and in accordance with generally accepted professional and husbandry practices.

(c) *Capacity: multiple shelters.* The shelter must be sufficiently large to comfortably provide protection for each nonhuman primate housed in the facility. If aggressive or dominant animals are housed in the facility with other animals there must be multiple shelters, or other means to ensure protection for each nonhuman primate housed in the facility.

(d) *Perimeter fence.* On and after February 15, 1994, an outdoor housing facility must be enclosed by a fence that is of sufficient height to keep unwanted species out. Fences less than 6 feet high must be approved by the Administrator. The fence must be constructed so that it protects nonhuman primates by restricting unauthorized humans, and animals the size of dogs, skunks, and raccoons from going through it or under it and having contact with the nonhuman primates. It must be of sufficient distance from the outside wall or fence of the primary enclosure to prevent physical contact between animals inside the enclosure and outside the perimeter fence. Such fences less than 3 feet in distance from the primary enclosure must be approved by the Administrator. A perimeter fence is not required if:

(1) The outside walls of the primary enclosure are made of a sturdy, durable material such as concrete, wood, plastic, metal, or glass, and are high enough and constructed in a manner that restricts contact with or entry by humans and animals that are outside the housing facility; or

(2) The housing facility is surrounded by a natural barrier that restricts the nonhuman primates to the housing facility and protects them from contact with unauthorized humans and animals that are outside the housing facility, and the Administrator gives written permission.

(e) *Public barriers.* Fixed public exhibits housing nonhuman primates, such as zoos, must have a barrier between the primary enclosure and the public at any time the public is present, in order to restrict physical contact between the public and the nonhuman primates. Nonhuman primates used in trained animal acts or in uncaged public exhibits must be under the direct control and supervision of an experienced handler or trainer at all times when the public is present. Trained

nonhuman primates may be allowed physical contact with the public, but only if they are under the direct control and supervision of an experienced handler or trainer at all times during the contact.

(Approved by the Office of Management and Budget under control number 0579–0093)

§ 3.79 Mobile or traveling housing facilities.

(a) *Heating, cooling, and temperature.* Mobile or traveling housing facilities must be sufficiently heated and cooled when necessary to protect nonhuman primates from temperature extremes and to provide for their health and well-being. The ambient temperature in the traveling housing facility must not fall below 45 °F (7.2 °C) for more than 4 consecutive hours when nonhuman primates are present, and must not rise above 85 °F (29.5 °C) for more than 4 consecutive hours when nonhuman primates are present. The ambient temperature must be maintained at a level that ensures the health and well-being of the species housed, as directed by the attending veterinarian, and in accordance with generally accepted professional and husbandry practices.

(b) *Ventilation.* Traveling housing facilities must be sufficiently ventilated at all times when nonhuman primates are present to provide for the health and well-being of nonhuman primates and to minimize odors, drafts, ammonia levels, moisture condensation, and exhaust fumes. Ventilation must be provided by means of windows, doors, vents, fans, or air conditioning. Auxiliary ventilation, such as fans, blowers, or air conditioning, must be provided when the ambient temperature in the traveling housing facility is 85 °F (29.5 °C) or higher.

(c) *Lighting.* Mobile or traveling housing facilities must be lighted well enough to permit routine inspection and cleaning of the facility, and observation of the nonhuman primates. Animal areas must be provided a regular diurnal lighting cycle of either natural or artificial light. Lighting must be uniformly diffused throughout animal facilities and provide sufficient illumination to aid in maintaining good housekeeping practices, adequate cleaning, adequate inspection of animals, and for the well-being of the animals. Primary enclosures must be placed in the housing facility so as to protect the nonhuman primates from excessive light.

(d) *Public barriers.* There must be a barrier between a mobile or traveling housing facility and the public at any time the public is present, in order to restrict physical contact between the nonhuman primates and the public. Nonhuman primates used in traveling exhibits, trained animal acts, or in uncaged public exhibits must be under the direct control and supervision of an experienced handler or trainer at all times when the public is present. Trained nonhuman primates may be allowed physical contact with the public, but only if they are under the direct control and supervision of an experienced handler or trainer at all times during the contact.

§ 3.80 Primary enclosures.

Primary enclosures for nonhuman primates must meet the following minimum requirements:

(a) *General requirements.* (1) Primary enclosures must be designed and constructed of suitable materials so that they are structurally sound for the species of nonhuman primates contained in them. They must be kept in good repair.

(2) Primary enclosures must be constructed and maintained so that they:

(i) Have no sharp points or edges that could injure the nonhuman primates;

(ii) Protect the nonhuman primates from injury;

(iii) Contain the nonhuman primates securely and prevent accidental opening of the enclosure, including opening by the animal;

(iv) Keep other unwanted animals from entering the enclosure or having physical contact with the nonhuman primates;

(v) Enable the nonhuman primates to remain dry and clean;

(vi) Provide shelter and protection from extreme temperatures and weather conditions that may be uncomfortable or hazardous to the species of nonhuman primate contained;

(vii) Provide sufficient shade to shelter all the nonhuman primates housed in the primary enclosure at one time;

(viii) Provide the nonhuman primates with easy and convenient access to clean food and water;

(ix) Enable all surfaces in contact with nonhuman primates to be readily cleaned and sanitized in accordance with § 3.84(b)(3) of this subpart, or replaced when worn or soiled;

(x) Have floors that are constructed in a manner that protects the nonhuman primates from injuring themselves; and

(xi) Provide sufficient space for the nonhuman primates to make normal postural adjustments with freedom of movement.

(b) *Minimum space requirements.* Primary enclosures must meet the minimum space requirements provided in this subpart. These minimum space requirements must be met even if perches, ledges, swings, or other suspended fixtures are placed in the enclosure. Low perches and ledges that do not allow the space underneath them to be comfortably occupied by the animal will be counted as part of the floor space.

(1) Prior to February 15, 1994:

(i) Primary enclosures must be constructed and maintained so as to provide sufficient space to allow each nonhuman primate to make normal postural adjustments with adequate freedom of movement; and

(ii) Each nonhuman primate housed in a primary enclosure must be provided with a minimum floor space equal to an area at least three times the area occupied by the primate when standing on four feet.

(2) On and after February 15, 1994:

(i) The minimum space that must be provided to *each* nonhuman primate, whether housed individually or with other nonhuman primates, will be determined by the typical weight of animals of its species, except for brachiating species and great apes[3] and will be calculated by using the following table:[4]

Group	Weight		Floor area/animal		Height	
	lbs.	(kg.)	ft.^{2}	(m^2)	in.	(cm.)
1	under 2.2	(under 1)	1.6	(0.15)	20	(50.8)
2	2.2–6.6	(1–3)	3.0	(0.28)	30	(76.2)
3	6.6–22.0	(3–10)	4.3	(0.40)	30	(76.2)
4	22.0–33.0	(10–15)	6.0	(0.56)	32	(81.28)
5	33.0–55.0	(15–25)	8.0	(0.74)	36	(91.44)
6	over 55.0	(over 25)	25.1	(2.33)	84	(213.36)

[3] The different species of nonhuman primates are divided into six weight groups for determining minimum space requirements, except that all brachiating species of any weight are grouped together since they require additional space to engage in species-typical behavior. The grouping provided is based upon the typical weight for various species and not on changes associated with obesity, aging, or pregnancy. These conditions will not be considered in determining a nonhuman primate's weight group unless the animal is obviously unable to make normal postural adjustments and movements within the primary enclosure. Different species of prosimians vary in weight and should be grouped with their appropriate weight group. They have not been included in the weight table since different species typically fall into different weight groups. Infants and juveniles of certain species are substantially lower in weight than adults of those species and require the minimum space requirements of lighter weight species, unless the animal is obviously unable to make normal postural adjustments and movements within the primary enclosure.

[4] Examples of the kinds of nonhuman primates typically included in each age group are:

Group 1—marmosets, tamarins, and infants (less than 6 months of age) of various species.

Group 2—capuchins, squirrel monkeys and similar size species, and juveniles (6 months to 3 years of age) of various species.

Group 3—macaques and African species.

Group 4—male macaques and large African species.

Group 5—baboons and nonbrachiating species larger than 33.0 lbs. (15 kg.).

Group 6—great apes over 55.0 lbs. (25 kg.), except as provided in paragraph (b)(2)(ii) of this section, and brachiating species.

(ii) Dealers. exhibitors, and research facilities, including Federal research facilities, must provide great apes weighing over 110 lbs. (50 kg) an additional volume of space in excess of that required for Group 6 animals as set forth in paragraph (b)(2)(i) of this section, to allow for normal postural adjustments.

(iii) In the case of research facilities, any exemption from these standards must be required by a research proposal or in the judgment of the attending veterinarian and must be approved by the Committee. In the case of dealers and exhibitors, any exemption from these standards must be required in the judgment of the attending veterinarian and approved by the Administrator.

(iv) When more than one nonhuman primate is housed in a primary enclosure, the minimum space requirement for the enclosure is the sum of the minimum floor area space required for each individual nonhuman primate in the table in paragraph (b)(2)(i) of this section, and the minimum height requirement for the largest nonhuman primate housed in the enclosure. Provided however, that mothers with infants less than 6 months of age may be maintained together in primary enclosures that meet the floor area space and height requirements of the mother.

(c) Innovative primary enclosures not precisely meeting the floor area and height requirements provided in paragraphs (b)(1) and (b)(2) of this section, but that do provide nonhuman primates with a sufficient volume of space and the opportunity to express species-typical behavior, may be used at research facilities when approved by the Committee, and by dealers and exhibitors when approved by the Administrator.

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§ 3.81 Environment enhancement to promote psychological well-being.

Dealers, exhibitors, and research facilities must develop, document, and follow an appropriate plan for environment enhancement adequate to promote the psychological well-being of nonhuman primates. The plan must be in accordance with the currently accepted professional standards as cited in appropriate professional journals or reference guides, and as directed by the attending veterinarian. This plan must be made available to APHIS upon request, and, in the case of research facilities, to officials of any pertinent funding agency. The plan, at a minimum, must address each of the following:

(a) *Social grouping.* The environment enhancement plan must include specific provisions to address the social needs of nonhuman primates of species known to exist in social groups in nature. Such specific provisions must be in accordance with currently accepted professional standards, as cited in appropriate professional journals or reference guides, and as directed by the attending veterinarian. The plan may provide for the following exceptions:

(1) If a nonhuman primate exhibits vicious or overly aggressive behavior, or is debilitated as a result of age or other conditions (e.g., arthritis), it should be housed separately;

(2) Nonhuman primates that have or are suspected of having a contagious disease must be isolated from healthy animals in the colony as directed by the attending veterinarian. When an entire group or room of nonhuman primates is known to have or believed to be exposed to an infectious agent, the group may be kept intact during the process of diagnosis, treatment, and control.

(3) Nonhuman primates may not be housed with other species of primates or animals unless they are compatible, do not prevent access to food, water, or shelter by individual animals. and are not known to be hazardous to the health and well-being of each other. Compatibility of nonhuman primates must be determined in accordance with generally accepted professional practices and actual observations, as directed by the attending veterinarian, to ensure that the nonhuman primates are in fact compatible. Individually housed nonhuman primates must be able to see and hear nonhuman primates of their own or compatible species unless the attending veterinarian determines that it would endanger their health, safety, or well-being.

(b) *Environmental enrichment.* The physical environment in the primary

enclosures must be enriched by providing means of expressing noninjurious species-typical activities. Species differences should be considered when determining the type or methods of enrichment. Examples of environmental enrichments include providing perches, swings, mirrors, and other increased cage complexities; providing objects to manipulate; varied food items; using foraging or task-oriented feeding methods; and providing interaction with the care giver or other familiar and knowledgeable person consistent with personnel safety precautions.

(c) *Special considerations.* Certain nonhuman primates must be provided special attention regarding enhancement of their environment, based on the needs of the individual species and in accordance with the instructions of the attending veterinarian. Nonhuman primates requiring special attention are the following:

(1) Infants and young juveniles;

(2) Those that show signs of being in psychological distress through behavior or appearance;

(3) Those used in research for which the Committee-approved protocol requires restricted activity;

(4) Individually housed nonhuman primates that are unable to see and hear nonhuman primates of their own or compatible species; and

(5) Great apes weighing over 110 lbs. (50 kg). Dealers, exhibitors, and research facilities must include in the environment enhancement plan special provisions for great apes weighing over 110 lbs. (50 kg), including additional opportunities to express species-typical behavior.

(d) *Restraint devices.* Nonhuman primates must not be maintained in restraint devices unless required for health reasons as determined by the attending veterinarian or by a research proposal approved by the Committee at research facilities. Maintenance under such restraint must be for the shortest period possible. In instances where long-term (more than 12 hours) restraint is required, the nonhuman primate must be provided the opportunity daily for unrestrained activity for at least one continuous hour during the period of restraint, unless continuous restraint is required by the research proposal approved by the Committee at research facilities.

(e) *Exemptions.* (1) The attending veterinarian may exempt an individual nonhuman primate from participation in the environment enhancement plan because of its health or condition, or in consideration of its well-being. The basis of the exemption must be recorded by the attending veterinarian for each exempted nonhuman primate. Unless the basis for the exemption is a permanent condition, the exemption must be reviewed at least every 30 days by the attending veterinarian.

(2) For a research facility, the Committee may exempt an individual nonhuman primate from participation in some or all of the otherwise required environment enhancement plans for scientific reasons set forth in the research proposal. The basis of the exemption shall be documented in the approved proposal and must be reviewed at appropriate intervals as determined by the Committee, but not less than annually.

(3) Records of any exemptions must be maintained by the dealer, exhibitor, or research facility and must be made available to USDA officials or officials of any pertinent funding Federal agency upon request.

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Animal Health and Husbandry Standards

§ 3.82 Feeding.

(a) The diet for nonhuman primates must be appropriate for the species, size, age, and condition of the animal, and for the conditions in which the nonhuman primate is maintained, according to generally accepted professional and husbandry practices and nutritional standards. The food must be clean, wholesome, and palatable to the animals. It must be of sufficient quantity and have sufficient nutritive value to maintain a healthful condition and weight range of the animal and to meet its normal daily nutritional requirements.

(b) Nonhuman primates must be fed at least once each day except as otherwise might be required to provide adequate veterinary care. Infant and juvenile nonhuman primates must be fed as often as necessary in accordance with generally accepted professional and husbandry practices and nutritional standards, based upon the animals' age and condition.

(c) Food and food receptacles, if used, must be readily accessible to all the nonhuman primates being fed. If members of dominant nonhuman primate or other species are fed together with other nonhuman primates, multiple feeding sites must be provided. The animals must be observed to determine that all receive a sufficient quantity of food.

(d) Food and food receptacles, if used, must be located so as to minimize any risk of contamination by excreta and pests. Food receptacles must be kept clean and must be sanitized in accordance with the procedures listed in §3.84(b)(3) of this subpart at least once every 2 weeks. Used food receptacles must be sanitized before they can be used to provide food to a different nonhuman primate or social grouping of nonhuman primates. Measures must be taken to ensure there is no molding, deterioration, contamination, or caking or wetting of food placed in self-feeders.

§3.83 Watering.

Potable water must be provided in sufficient quantity to every nonhuman primate housed at the facility. If potable water is not continually available to the nonhuman primates, it must be offered to them as often as necessary to ensure their health and well-being, but no less than twice daily for at least l hour each time, unless otherwise required by the attending veterinarian, or as required by the research proposal approved by the Committee at research facilities. Water receptacles must be kept clean and sanitized in accordance with methods provided in §3.84(b)(3) of this subpart at least once every 2 weeks or as often as necessary to keep them clean and free from contamination. Used water receptacles must be sanitized before they can be used to provide water to a different nonhuman primate or social grouping of nonhuman primates.

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§3.84 Cleaning, sanitization, housekeeping, and pest control.

(a) *Cleaning of primary enclosures.* Excreta and food waste must be removed from inside each indoor primary enclosure daily and from underneath them as often as necessary to prevent an excessive accumulation of feces and food waste, to prevent the nonhuman primates from becoming soiled, and to reduce disease hazards, insects, pests, and odors. Dirt floors, floors with absorbent bedding, and planted areas in primary enclosures must be spot-cleaned with sufficient frequency to ensure all animals the freedom to avoid contact with excreta, or as often as necessary to reduce disease hazards, insects, pests, and odors. When steam or water is used to clean the primary enclosure, whether by hosing, flushing, or other methods, nonhuman primates must be removed, unless the enclosure is large enough to ensure the animals will not be harmed, wetted, or distressed in the process. Perches, bars, and shelves must be kept clean and replaced when worn. If the species of the nonhuman primates housed in the primary enclosure engages in scent marking, hard surfaces in the primary enclosure must be spot-cleaned daily.

(b) *Sanitization of primary enclosures and food and water receptacles.*

(1) A used primary enclosure must be sanitized in accordance with this section before it can be used to house another nonhuman primate or group of nonhuman primates.

(2) Indoor primary enclosures must be sanitized at least once every 2 weeks and as often as necessary to prevent an excessive accumulation of dirt, debris, waste, food waste, excreta, or disease hazard, using one of the methods prescribed in paragraph (b)(3) of this section. However, if the species of nonhuman primates housed in the primary enclosure engages in scent marking, the primary enclosure must be sanitized at regular intervals determined in accordance with generally accepted professional and husbandry practices.

(3) Hard surfaces of primary enclosures and food and water receptacles must be sanitized using one of the following methods:

(i) Live steam under pressure;

(ii) Washing with hot water (at least 180 °F (82.2 °C)) and soap or detergent, such as in a mechanical cage washer;

(iii) Washing all soiled surfaces with appropriate detergent solutions or disinfectants, or by using a combination detergent/disinfectant product that accomplishes the same purpose, with a thorough cleaning of the surfaces to remove organic material, so as to remove all organic material and mineral buildup, and to provide sanitization followed by a clean water rinse.

(4) Primary enclosures containing material that cannot be sanitized using the methods provided in paragraph (b)(3) of this section, such as sand, gravel, dirt, absorbent bedding, grass, or planted areas, must be sanitized by removing the contaminated material as necessary to prevent odors, diseases, pests, insects, and vermin infestation.

(c) *Housekeeping for premises.* Premises where housing facilities are located, including buildings and surrounding grounds, must be kept clean and in good repair in order to protect the nonhuman primates from injury, to facilitate the husbandry practices required in this subpart, and to reduce or eliminate breeding and living areas for rodents, pests, and vermin. Premises must be kept free of accumulations of trash, junk, waste, and discarded matter. Weeds, grass, and bushes must be controlled so as to facilitate cleaning of the premises and pest control.

(d) *Pest control.* An effective program for control of insects, external parasites affecting nonhuman primates, and birds and mammals that are pests, must be established and maintained so as to promote the health and well-being of the animals and reduce contamination by pests in animal areas.

§ 3.85 Employees.

Every person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) maintaining nonhuman primates must have enough employees to carry out the level of husbandry practices and care required in this subpart. The employees who provide husbandry practices and care, or handle nonhuman primates, must be trained and supervised by an individual who has the knowledge, background, and experience in proper husbandry and care of nonhuman primates to supervise others. The employer must be certain that the supervisor can perform to these standards.

TRANSPORTATION STANDARDS

§ 3.86 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers must not accept a nonhuman primate for transport in commerce more than 4 hours before the scheduled departure time of the primary conveyance on which the animal is to be transported. However, a carrier or intermediate handler may agree with anyone consigning a nonhuman primate to extend this time by up to 2 hours.

(b) Carriers and intermediate handlers must not accept a nonhuman primate for transport in commerce unless they are provided with the name, address, telephone number, and telex number, if applicable, of the consignee.

(c) Carriers and intermediate handlers must not accept a nonhuman primate for transport in commerce unless the consignor certifies in writing to the carrier or intermediate handler that the nonhuman primate was offered food and water during the 4 hours before delivery to the carrier or intermediate handler. The certification must be securely attached to the outside of the primary enclosure in a manner that makes it easily noticed and read. Instructions for no food or water are not acceptable unless directed by the attending veterinarian. Instructions must be in compliance with § 3.89 of this subpart. The certification must include the following information for each nonhuman primate:

(1) The consignor's name and address;

(2) The species of nonhuman primate;

(3) The time and date the animal was last fed and watered and the specific instructions for the next feeding(s) and watering(s) for a 24-hour period; and

(4) The consignor's signature and the date and time the certification was signed.

(d) Carriers and intermediate handlers must not accept a nonhuman primate for transport in commerce unless the primary enclosure meets the requirements of §3.87 of this subpart. A carrier or intermediate handler must not accept a nonhuman primate for transport if the primary enclosure is obviously defective or damaged and cannot reasonably be expected to safely and comfortably contain the nonhuman primate without suffering or injury.

(e) Carriers and intermediate handlers must not accept a nonhuman primate for transport in commerce unless their animal holding area facilities meet the minimum temperature requirements provided in §§3.91 and 3.92 of this subpart, or unless the consignor provides them with a certificate signed by a veterinarian and dated no more than 10 days before delivery of the animal to the carrier or intermediate handler for transport in commerce, certifying that the animal is acclimated to temperatures lower than those that are required in §§3.91 and 3.92 of this subpart. Even if the carrier or intermediate handler receives this certification, the temperatures the nonhuman primate is exposed to while in the carrier's or intermediate handler's custody must not be lower than the minimum temperature specified by the veterinarian in accordance with paragraph (e)(4) of this section, and must be reasonably within the generally and professionally accepted temperature range for the nonhuman primate, as determined by the veterinarian, considering its age, condition, and species. A copy of the certification must accompany the nonhuman primate to its destination and must include the following information for each primary enclosure:

(1) The consignor's name and address;

(2) The number of nonhuman primates contained in the primary enclosure;

(3) The species of nonhuman primate contained in the primary enclosure;

(4) A statement by a veterinarian that to the best of his or her knowledge, each of the nonhuman primates contained in the primary enclosure is acclimated to air temperatures lower than 50 °F (10 °C), but not lower than a minimum temperature specified on the certificate based on the generally and professionally accepted temperature range for the nonhuman primate, considering its age, condition, and species; and

(5) The veterinarian's signature and the date the certification was signed.

(f) When a primary enclosure containing a nonhuman primate has arrived at the animal holding area of a terminal facility after transport, the carrier or intermediate handler must attempt to notify the consignee upon arrival and at least once in every 6-hour period after arrival. The time, date, and method of all attempted notifications and the actual notification of the consignee, and the name of the person who notifies or attempts to notify the consignee must be written either on the carrier's or intermediate handler's copy of the shipping document or on the copy that accompanies the primary enclosure. If the consignee cannot be notified within 24 hours after the nonhuman primate has arrived at the terminal facility, the carrier or intermediate handler must return the animal to the consignor or to whomever the consignor designates. If the consignee is notified of the arrival and does not take physical delivery of the nonhuman primate within 48 hours after arrival of the nonhuman primate, the carrier or intermediate handler must return the animal to the consignor or to whomever the consignor designates. The carrier or intermediate handler must continue to provide proper care, feeding, and housing to the nonhuman primate, and maintain the nonhuman primate in accordance with generally accepted professional and husbandry practices until the consignee accepts delivery of the nonhuman primate or until it is returned to the consignor or to whomever the consignor designates. The carrier or intermediate handler must obligate the consignor to reimburse the carrier or intermediate handler for the cost of return transportation and care.

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§ 3.87 Primary enclosures used to transport nonhuman primates.

Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) must not transport or deliver for transport in commerce a nonhuman primate unless it is contained in a primary enclosure, such as a compartment, transport cage, carton, or crate, and the following requirements are met:

(a) *Construction of primary enclosures.* Primary enclosures used to transport nonhuman primates may be connected or attached to each other and must be constructed so that:

(1) The primary enclosure is strong enough to contain the nonhuman primate securely and comfortably and to withstand the normal rigors of transportation;

(2) The interior of the enclosure has no sharp points or edges and no protrusions that could injure the animal contained in it;

(3) The nonhuman primate is at all times securely contained within the enclosure and cannot put any part of its body outside the enclosure in a way that could result in injury to the animal, or to persons or animals nearby;

(4) The nonhuman primate can be easily and quickly removed from the enclosure in an emergency;

(5) The doors or other closures that provide access into the enclosure are secured with animal-proof devices that prevent accidental opening of the enclosure, including opening by the nonhuman primate;

(6) Unless the enclosure is permanently affixed to the conveyance, adequate devices such as handles or handholds are provided on its exterior, and enable the enclosure to be lifted without tilting it, and ensure that anyone handling the enclosure will not come into physical contact with the animal contained inside;

(7) Any material, treatment, paint, preservative, or other chemical used in or on the enclosure is nontoxic to the animal and not harmful to the health or well-being of the animal;

(8) Proper ventilation is provided to the nonhuman primate in accordance with paragraph (c) of this section;

(9) Ventilation openings are covered with bars, wire mesh, or smooth expanded metal having air spaces; and

(10) The primary enclosure has a solid, leak-proof bottom, or a removable, leak-proof collection tray under a slatted or wire mesh floor that prevents seepage of waste products, such as excreta and body fluids, outside of the enclosure. If a slatted or wire mesh floor is used in the enclosure, it must be designed and constructed so that the animal cannot put any part of its body between the slats or through the holes in the mesh. It must contain enough previously unused litter to absorb and cover excreta. The litter must be of a suitably absorbent material that is safe and nontoxic to the nonhuman primate and is appropriate for the species transported in the primary enclosure.

(b) *Cleaning of primary enclosures.* A primary enclosure used to hold or transport nonhuman primates in commerce must be cleaned and sanitized before each use in accordance with the methods provided in § 3.84(b)(3) of this subpart.

(c) *Ventilation.* (1) If the primary enclosure is movable, ventilation openings must be constructed in one of the following ways:

(i) If ventilation openings are located on two opposite walls of the primary enclosure, the openings on each wall must be at least 16 percent of the total surface area of each such wall and be located above the midline of the enclosure; or

(ii) If ventilation openings are located on all four walls of the primary enclosure, the openings on every wall must be at least 8 percent of the total surface area of each such wall and be located above the midline of the enclosure.

(2) Unless the primary enclosure is permanently affixed to the conveyance, projecting rims or similar devices must be located on the exterior of each enclosure wall having a ventilation opening, in order to prevent obstruction of the openings. The projecting rims or similar devices must be large enough to provide a minimum air circulation space of 0.75 inches (1.9 centimeters) between the primary enclosure and anything the enclosure is placed against.

(3) If a primary enclosure is permanently affixed to the primary conveyance so that there is only a front ventilation opening for the enclosure, the primary enclosure must be affixed to the primary conveyance in such a way that the front ventilation opening cannot be blocked, and the front ventilation opening must open directly to an unobstructed aisle or passageway inside of the conveyance. The ventilation opening must be at least 90 percent of the total area of the front wall of the enclosure, and must be covered with bars, wire mesh, or smooth expanded metal having air spaces.

(d) *Compatibility.* (1) Only one live nonhuman primate may be transported in a primary enclosure, except as follows:

(i) A mother and her nursing infant may be transported together;

(ii) An established male-female pair or family group may be transported together, except that a female in estrus must not be transported with a male nonhuman primate;

(iii) A compatible pair of juveniles of the same species that have not reached puberty may be transported together.

(2) Nonhuman primates of different species must not be transported in adjacent or connecting primary enclosures.

(e) *Space requirements.* Primary enclosures used to transport nonhuman primates must be large enough so that each animal contained in the primary enclosure has enough space to turn around freely in a normal manner and to sit in an upright, hands down position without its head touching the top of the enclosure. However, certain larger species may be restricted in their movements, in accordance with professionally accepted standards of care, when greater freedom of movement would be dangerous to the animal, its handler, or to other persons.

(f) *Marking and labeling.* Primary enclosures, other than those that are permanently affixed to a conveyance, must be clearly marked in English on the top and on one or more sides with the words ''Wild Animals,'' or ''Live Animals,'' in letters at least 1 inch (2.5 cm.) high, and with arrows or other markings to indicate the correct upright position of the primary enclosure. Permanently affixed primary enclosures must be clearly marked in English with the words ''Wild Animals'' or ''Live Animals,'' in the same manner.

(g) *Accompanying documents and records.* Shipping documents that must accompany shipments of nonhuman primates may be held by the operator of the primary conveyance, for surface transportation only, or must be securely attached in a readily accessible manner to the outside of any primary enclosure that is part of the shipment, in a manner that allows them to be detached for examination and securely reattached, such as in a pocket or sleeve. Instructions for administration of drugs, medication, and other special care must be attached to each primary enclosure in a manner that makes them easy to notice, to detach for examination, and to reattach securely. Food and water instructions must be attached in accordance with § 3.86(c) of this subpart.

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§ 3.88 Primary conveyances (motor vehicle, rail, air, and marine).

(a) The animal cargo space of primary conveyances used to transport nonhuman primates must be designed, constructed, and maintained in a manner that at all times protects the health and well-being of the animals transported in it, ensures their safety and comfort, and prevents the entry of engine exhaust from the primary conveyance during transportation.

(b) The animal cargo space must have a supply of air that is sufficient for the normal breathing of all the animals being transported in it.

(c) Each primary enclosure containing nonhuman primates must be positioned in the animal cargo space in a manner that provides protection from the elements and that allows each nonhuman primate enough air for normal breathing.

(d) During air transportation, the ambient temperature inside a primary conveyance used to transport nonhuman primates must be maintained at a level that ensures the health and well-being of the species housed, in accordance with generally

accepted professional and husbandry practices, at all times a nonhuman primate is present.

(e) During surface transportation, the ambient temperature inside a primary conveyance used to transport nonhuman primates must be maintained between 45 °F (7.2 °C) and 85 °F (30 °C) at all times a nonhuman primate is present.

(f) A primary enclosure containing a nonhuman primate must be placed far enough away from animals that are predators or natural enemies of nonhuman primates, whether the other animals are in primary enclosures or not, so that the nonhuman primate cannot touch or see the other animals.

(g) Primary enclosures must be positioned in the primary conveyance in a manner that allows the nonhuman primates to be quickly and easily removed from the primary conveyance in an emergency.

(h) The interior of the animal cargo space must be kept clean

(i) Nonhuman primates must not be transported with any material, substance (e.g., dry ice), or device in a manner that may reasonably be expected to harm the nonhuman primates or cause inhumane conditions.

§ 3.89 Food and water requirements.

(a) Each nonhuman primate that is 1 year of age or more must be offered food[5] at least once every 24 hours. Each nonhuman primate that is less than 1 year of age must be offered food at least once every 12 hours. Each nonhuman primate must be offered potable water at least once every 12 hours. These time periods apply to dealers, exhibitors, and research facilities, including Federal research facilities, who transport nonhuman primates in their own primary conveyances, starting from the time the nonhuman primate was last offered food and potable water before transportation was begun. These time periods apply to carriers and intermediate handlers starting from the date and time stated on the certification provided under § 3.86(c) of this subpart. Each nonhuman primate must be offered food and potable water within 4 hours before being transported in commerce. Consignors who are subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) must certify that each nonhuman primate was offered food and potable water within the 4 hours preceding delivery of the nonhuman primate to a carrier or intermediate handler for transportation in commerce, and must certify the date and time the food and potable water was offered, in accordance with § 3.86(c) of this subpart.

(b) Any dealer, exhibitor, or research facility, including a Federal research facility, offering a nonhuman primate to a carrier or intermediate handler for transportation in commerce must securely attach to the outside of the primary enclosure used for transporting the nonhuman primate, written instructions for a 24-hour period for the in-transit food and water requirements of the nonhuman primate(s) contained in the enclosure. The instructions must be attached in a manner that makes them easily noticed and read.

(c) Food and water receptacles must be securely attached inside the primary enclosure and placed so that the receptacles can be filled from outside of the enclosure without opening the door. Food and water receptacles must be designed, constructed, and installed so that a nonhuman primate cannot leave the primary enclosure through the food or water opening.

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§ 3.90 Care in transit.

(a) *Surface transportation (ground and water).* Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) transporting nonhuman primates in commerce must ensure that the operator of the conveyance or a person accompanying the operator of the conveyance observes the nonhuman primates as often as circumstances allow, but not less than once every 4 hours, to make sure that they have sufficient air for normal breathing, that the ambient temperature is within the limits provided in § 3.88(d) of this subpart, and that all other applicable

[5] Proper food for purposes of this section is described in § 3.82 of this subpart, with the necessities and circumstances of the mode of travel taken into account.

standards of this subpart are being complied with. The regulated person transporting the nonhuman primates must ensure that the operator or the person accompanying the operator determines whether any of the nonhuman primates are in obvious physical distress, and obtains any veterinary care needed for the nonhuman primates at the closest available veterinary facility.

(b) *Air transportation.* During air transportation of nonhuman primates, it is the responsibility of the carrier to observe the nonhuman primates as frequently as circumstances allow, but not less than once every 4 hours if the animal cargo area is accessible during flight. If the animal cargo area is not accessible during flight, the carrier must observe the nonhuman primates whenever they are loaded and unloaded and whenever the animal cargo space is otherwise accessible to make sure that the nonhuman primates have sufficient air for normal breathing, that the ambient temperature is within the limits provided in §3.88(d) of this subpart, and that all other applicable standards of this subpart are being complied with. The carrier must determine whether any of the nonhuman primates is in obvious physical distress, and arrange for any needed veterinary care for the nonhuman primates as soon as possible.

(c) If a nonhuman primate is obviously ill, injured, or in physical distress, it must not be transported in commerce, except to receive veterinary care for the condition.

(d) During transportation in commerce, a nonhuman primate must not be removed from its primary enclosure unless it is placed in another primary enclosure or a facility that meets the requirements of §3.80 or §3.87 of this subpart. Only persons who are experienced and authorized by the shipper, or authorized by the consignor or the consignee upon delivery, if the animal is consigned for transportation, may remove nonhuman primates from their primary enclosure during transportation in commerce, unless required for the health or well-being of the animal.

(e) The transportation regulations contained in this subpart must be complied with until a consignee takes physical delivery of the animal if the animal is consigned for transportation, or until the animal is returned to the consignor.

§ 3.91 Terminal facilities.

(a) *Placement.* Any persons subject to the Animal Welfare regulations (9 CFR parts l, 2, and 3) must not commingle shipments of nonhuman primates with inanimate cargo or with other animals in animal holding areas of terminal facilities. Nonhuman primates must not be placed near any other animals, including other species of nonhuman primates, and must not be able to touch or see any other animals, including other species of nonhuman primates.

(b) *Cleaning, sanitization, and pest control.* All animal holding areas of terminal facilities must be cleaned and sanitized in a manner prescribed in §3.84(b)(3) of this subpart, as often as necessary to prevent an accumulation of debris or excreta and to minimize vermin infestation and disease hazards. Terminal facilities must follow an effective program in all animal holding areas for the control of insects, ectoparasites, and birds and mammals that are pests of nonhuman primates.

(c) *Ventilation.* Ventilation must be provided in any animal holding area in a terminal facility containing nonhuman primates by means of windows, doors, vents, or air conditioning. The air must be circulated by fans, blowers, or air conditioning so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans, vents, fans, blowers, or air conditioning, must be used in any animal holding area containing nonhuman primates when the ambient temperature is 85°F (29.5°C) or higher.

(d) *Temperature.* The ambient temperature in an animal holding area containing nonhuman primates must not fall below 45°F (7.2°C) or rise above 85°F (29.5°C) for more than four consecutive hours at any time nonhuman primates are present. The ambient temperature must be measured in the animal holding area by the carrier, intermediate handler, or a person transporting nonhuman primates who is subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3), outside any primary enclosure containing a

nonhuman primate at a point not more than 3 feet (0.91 m.) away from an outside wall of the primary enclosure, on a level that is even with the enclosure and approximately midway up the side of the enclosure.

(e) *Shelter.* Any person subject to the Animal Welfare regulations (9 CFR parts l, 2, and 3) holding a nonhuman primate in an animal holding area of a terminal facility must provide the following:

(1) *Shelter from sunlight and extreme heat.* Shade must be provided that is sufficient to protect the nonhuman primate from the direct rays of the sun.

(2) *Shelter from rain or snow.* Sufficient protection must be provided to allow nonhuman primates to remain dry during rain, snow, and other precipitation.

(f) *Duration.* The length of time any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) can hold a nonhuman primate in an animal holding area of a terminal facility upon arrival is the same as that provided in § 3.86(f) of this subpart.

§ 3.92 Handling.

(a) Any person subject to the Animal Welfare regulations (9 CFR parts 1, 2, and 3) who moves (including loading and unloading) nonhuman primates within, to, or from the animal holding area of a terminal facility or a primary conveyance must do so as quickly and efficiently as possible, and must provide the following during movement of the nonhuman primate:

(1) *Shelter from sunlight and extreme heat.* Sufficient shade must be provided to protect the nonhuman primate from the direct rays of the sun. A nonhuman primate must not be exposed to an ambient temperature above 85°F (29.5°C) for a period of more than 45 minutes while being moved to or from a primary conveyance or a terminal facility, The ambient temperature must be measured in the manner provided in § 3.91(d) of this subpart.

(2) *Shelter from rain or snow.* Sufficient protection must be provided to allow nonhuman primates to remain dry during rain, snow, and other precipitation.

(3) *Shelter from cold temperatures.* Transporting devices on which nonhuman primates are placed to move them must be covered to protect the animals when the outdoor temperature falls below 45°F (7.2°C). A nonhuman primate must not be exposed to an ambient air temperature below 45°F (7.2°C) for a period of more than 45 minutes, unless it is accompanied by a certificate of acclimation to lower temperatures as provided in § 3.86(e) of this subpart. The ambient temperature must be measured in the manner provided in § 3.91(d) of this subpart.

(b) Any person handling a primary enclosure containing a nonhuman primate must use care and must avoid causing physical harm or distress to the nonhuman primate.

(1) A primary enclosure containing a nonhuman primate must not be placed on unattended conveyor belts or on elevated conveyor belts, such as baggage claim conveyor belts and inclined conveyor ramps that lead to baggage claim areas, at any time; except that a primary enclosure may be placed on inclined conveyor ramps used to load and unload aircraft if an attendant is present at each end of the conveyor belt.

(2) A primary enclosure containing a nonhuman primate must not be tossed, dropped, or needlessly tilted, and must not be stacked in a manner that may reasonably be expected to result in its falling. It must be handled and positioned in the manner that written instructions and arrows on the outside of the primary enclosure indicate.

(c) This section applies to movement of a nonhuman primate from primary conveyance to primary conveyance, within a primary conveyance or terminal facility, and to or from a terminal facility or a primary conveyance.

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Subpart E—Specifications for the Humane Handling, Care, Treatment, and Transportation of Marine Mammals

SOURCE: 44 FR 36874, June 22, 1979, unless otherwise noted.

FACILITIES AND OPERATING STANDARDS

§ 3.100 Special considerations regarding compliance and/or variance.

(a) All persons subject to the Animal Welfare Act who maintain or otherwise handle marine mammals in captivity must comply with the provisions of this subpart, except that they may apply for and be granted a variance,[6] by the Deputy Administrator, from one or more specified provisions of § 3.104. The provisions of this subpart shall not apply, however, in emergency circumstances where compliance with one or more requirements would not serve the best interest of the marine mammals concerned.

(b) An application for a variance must be made to the Deputy Administrator in writing. The request must include:

(1) The species and number of animals involved,

(2) A statement from the attending veterinarian concerning the age and health status of the animals involved, and concerning whether the granting of a variance would be detrimental to the marine mammals involved,

(3) Each provision of the regulations that is not met,

(4) The time period requested for a variance,

(5) The specific reasons why a variance is requested, and

(6) The estimated cost of coming into compliance, if construction is involved.

(c) After receipt of an application for a variance, the Deputy Administrator may require the submission in writing of a report by two experts recommended by the American Association of Zoological Parks and Aquariums and approved by the Deputy Administrator concerning potential adverse impacts on the animals involved or on other matters relating to the effects of the requested variance on the health and well-being of such marine mammals. Such a report will be required only in those cases when the Deputy Administrator determines that such expertise is necessary to determine whether the granting of a variance would cause a situation detrimental to the health and well-being of the marine mammals involved. The cost of such report is to be paid by the applicant.

(d) Variances granted for facilities because of ill or infirm marine mammals that cannot be moved without placing their well-being in jeopardy, or for facilities within 0.3048 meters (1 foot) of compliance with any space requirement may be granted for up to the life of the marine mammals involved. Otherwise, variances shall be granted for a period not exceeding July 30, 1986, *Provided, however,* That under circumstances deemed justified by the Deputy Administrator, a maximum extension of 1 year may be granted to attain full compliance. A written request for the extension must be received by the Deputy Administrator by May 30, 1986. Consideration for extension by the Deputy Administrator will be limited to unforeseen or unusual situations such as when necessary public funds cannot be allocated in an appropriate time frame for a facility to attain full compliance by July 30, 1986.

(e) The Deputy Administrator shall deny any application for a variance if he determines that it is not justified under the circumstances or that allowing it will be detrimental to the health and well-being of the marine mammals involved.

(f) Any facility housing marine mammals that does not meet all of the space requirements as of July 30, 1984, must meet all of the requirements by September 28, 1984, or may operate without meeting such requirements until action is taken on an application for a variance if the application is submitted to the Deputy Administrator on or before September 28, 1984.

(g) A research facility may be granted a variance from specified requirements of this subpart when such variance is necessary for research purposes and is fully explained in the experimental design. Any time limitation stated in this section shall not be applicable in such case.

[49 FR 26681, June 28, 1984; 63 FR 2, Jan. 2, 1998]

[6] Written permission from the Deputy Administrator to operate as a licensee or registrant under the Act without being in full compliance with one or more specified provisions of § 3.104.

§ 3.101 Facilities, general.

(a) *Construction requirements.* (1) Indoor and outdoor housing facilities for marine mammals shall be structurally sound and shall be maintained in good repair, to protect the animals from injury, to contain the animals, and to restrict the entrance of unwanted animals.

(2) All marine mammals shall be provided with protection from abuse and harassment by the viewing public by the use of a sufficient number of employees or attendants to supervise the viewing public, or by physical barriers, such as fences, walls, glass partitions, or distance, or both.

(3) Any primary enclosure pool, except for natural seawater pools subject to tidal action, shall be constructed of materials having a nonporous, waterproof finish, which facilitate proper cleaning and disinfection, and shall be maintained in good repair as part of a regular ongoing maintenance program. Any ramps or haul-out areas for primary enclosure pools, and any natural seawater pools subject to tidal action, shall be constructed of materials which facilitate proper cleaning and disinfection and shall be maintained in good repair as part of a regular ongoing maintenance program.

(4) Facilities which utilize natural water areas, such as tidal basins, bays, or estuaries (subject to natural tidewater action) used for housing marine mammals shall be exempt from the drainage requirements of paragraph (c)(1) of this section, but they must meet the minimum standards with regard to space, depth, and sanitation. The water must be monitored for coliforms and for ph and chemical content, if chemicals are added.

(b) *Water and power supply.* Reliable and adequate sources of water and electric power shall be provided by the facility housing marine mammals. Written contingency plans must be submitted to and approved by Veterinary Services regarding emergency sources of water and electric power in the event of failure of the primary sources, when such failure could reasonably be expected to be detrimental to the good health and well-being of the marine mammals housed therein.

(c) *Drainage.* (1) Adequate drainage shall be provided for all primary enclosure pools and shall be located so that all of the water contained in such pools may be rapidly eliminated when necessary for cleaning the pools or for other purposes. Drainage effluent from primary enclosure pools shall be disposed of in a manner that complies with all applicable Federal, State, and local pollution control laws.

(2) Drainage shall be provided for primary enclosures and areas immediately surrounding pools. Drains shall be located so as to rapidly eliminate excess water (except in pools). Such drainage effluent shall be disposed of in a manner that complies with all applicable Federal, State, and local pollution control laws.

(d) *Storage.* Supplies of food shall be stored in facilities which adequately protect such supplies from deterioration, molding, or contamination by vermin. Refrigerators and freezers shall be used for perishable food. No substances which are known to be or may be toxic or harmful to marine mammals shall be stored or maintained in the marine mammal food storage areas.

(e) *Waste disposal.* Provision shall be made for the removal and disposal of animal and food wastes, dead animals, trash, and debris. Disposal facilities shall be provided and operated in a manner which will minimize vermin infestation, odors, and disease hazards. All waste disposal procedures must comply with all applicable Federal, State, and local laws pertaining to pollution control, protection of the environment, and public health.

(f) *Washroom facilities.* Facilities such as washrooms, basins, showers, or sinks, shall be provided to maintain cleanliness among employees and attendants.

[44 FR 36874, June 22, 1979, as amended at 44 FR 63492, Nov. 2, 1979; 49 FR 26682, June 28, 1984]

§ 3.102 Facilities, indoor.

(a) *Ambient temperature.* The air and water temperatures in indoor facilities shall be sufficiently regulated by heating or cooling to protect the marine mammals from extremes of temperature, to provide for their good health

and well-being and to prevent discomfort, in accordance with the currently accepted practices as cited in appropriate professional journals or reference guides, depending upon the species housed therein. Rapid changes in air and water temperatures shall be avoided.

(b) *Ventilation.* Indoor housing facilities shall be ventilated by natural or artificial means to provide a flow of fresh air for the marine mammals and to minimize the accumulation of chlorine fumes, other gases, and objectionable odors. A vertical air space averaging at least 1.83 meters (6 feet) shall be maintained in all primary enclosures housing marine mammals, including pools of water.

(c) *Lighting.* Indoor housing facilities for marine mammals shall have ample lighting, by natural or artificial means, or both, of a quality, distribution, and duration which is appropriate for the species involved. Sufficient lighting must be available to provide uniformly distributed illumination which is adequate to permit routine inspections, observations, and cleaning of all parts of the primary enclosure including any den areas. The lighting shall be designed so as to prevent overexposure of the marine mammals contained therein to excessive illumination.[7]

[44 FR 36874, June 22, 1979; 63 FR 2, Jan. 2, 1998]

§ 3.103 Facilities, outdoor.

(a) *Environmental temperatures.* Marine mammals shall not be housed in outdoor facilities unless the air and water temperature ranges which they may encounter during the period they are so housed do not adversely affect their health and comfort. A marine mammal shall not be introduced to an outdoor housing facility until it is acclimated to the air and water temperature ranges which it will encounter therein. The following requirements shall be applicable to all outdoor pools.

(1) The water surface of pools in outdoor primary enclosures housing polar bears and ice or cold water dwelling species of pinnipeds shall be kept sufficiently free of solid ice to allow for entry and exit of the animals.

(2) The water surface of pools in outdoor primary enclosures housing cetaceans and sea otters shall be kept free of ice.

(3) No sirenian or warm water dwelling species of pinnipeds or cetaceans shall be housed in outdoor pools where water temperature cannot be maintained within the temperature range to meet their needs.

(b) *Shelter.* Natural or artificial shelter which is appropriate for the species concerned, when the local climatic conditions are taken into consideration, shall be provided for all marine mammals kept outdoors to afford them protection from the weather or from direct sunlight.

(c) *Perimeter fence.* On and after May 17, 2000, all outdoor housing facilities (*i.e.,* facilities not entirely indoors) must be enclosed by a perimeter fence that is of sufficient height to keep animals and unauthorized persons out. Fences less than 8 feet high for polar bears or less than 6 feet high for other marine mammals must be approved in writing by the Administrator. The fence must be constructed so that it protects marine mammals by restricting animals and unauthorized persons from going through it or under it and having contact with the marine mammals, and so that it can function as a secondary containment system for the animals in the facility when appropriate. The fence must be of sufficient distance from the outside of the primary enclosure to prevent physical contact between animals inside the enclosure and animals or persons outside the perimeter fence. Such fences less than 3 feet in distance from the primary enclosure must be approved in writing by the Administrator. For natural seawater facilities, such as lagoons, the perimeter fence must prevent access by animals and unauthorized persons to the natural seawater facility from the abutting land, and must

[7] Lighting intensity and duration must be consistent with the general well-being and comfort of the animal involved. When possible, it should approximate the lighting conditions encountered by the animal in its natural environment. At no time shall the lighting be such that it will cause the animal discomfort or trauma.

encompass the land portion of the facility from one end of the natural seawater facility shoreline as defined by low tide to the other end of the natural seawater facility shoreline defined by low tide. A perimeter fence is not required:

(1) Where the outside walls of the primary enclosure are made of sturdy, durable material, which may include certain types of concrete, wood, plastic, metal, or glass, and are high enough and constructed in a manner that restricts entry by animals and unauthorized persons and the Administrator gives written approval; or

(2) Where the outdoor housing facility is protected by an effective natural barrier that restricts the marine mammals to the facility and restricts entry by animals and unauthorized persons and the Administrator gives written approval; or

(3) Where appropriate alternative security measures are employed and the Administrator gives written approval; or

(4) For traveling facilities where appropriate alternative security measures are employed.

[44 FR 36874, June 22, 1979, as amended at 64 FR 56147, Oct. 18, 1999]

§3.104 Space requirements.

(a) *General.* Primary enclosures, including pools of water housing marine mammals, shall comply with the minimum space requirements prescribed by this part. They shall be constructed and maintained so that the animals contained therein are provided with sufficient space, both horizontally and vertically so that they are able to make normal postural and social adjustments with adequate freedom of movement, in or out of the water. An exception to these requirements is provided for in §3.110, ''Veterinary care.'' Primary enclosures smaller than required by the standards are also allowed to be used for temporary holding purposes such as training and transfer. Such enclosures shall not be used for permanent housing purposes or for periods longer than specified by an attending veterinarian.

(b) *Cetaceans.* Primary enclosures housing cetaceans shall contain a pool of water and may consist entirely of a pool of water. In determining the minimum space required in a pool holding cetaceans, four factors must be satisfied. These are MHD, depth, volume, and surface area. For the purposes of this subpart, cetaceans are divided into Group I cetaceans and Group II cetaceans as shown in Table III in this section.

(1)(i) *The required minimum horizontal dimension* (MHD) of a pool for Group I cetaceans shall be 7.32 meters (24.0 feet) or two times the average adult length of the longest species of Group I cetacean housed therein (as measured in a parallel or horizontal line, from the tip of its upper jaw, or from the most anterior portion of the head in bulbous headed animals, to the notch in the tail fluke[8]), whichever is greater; except that such MHD measurement may be reduced from the greater number by up to 20 percent if the amount of the reduction is added to the MHD at the 90-degree angle and if the minimum volume and surface area requirements are met based on an MHD of 7.32 meters (24.0 feet) or two times the average adult length of the longest species of Group I cetacean housed therein, whichever is greater.

(ii) The MHD of a pool for Group II cetaceans shall be 7.32 meters (24.0 feet) or four times the average adult length of the longest species of cetacean to be housed therein (as measured in a parallel or horizontal line from the tip of its upper jaw, or from the most anterior portion of the head in bulbous headed animals, to the notch in the tail fluke), whichever is greater; except that such MHD measurement may be reduced from the greater number by up to 20 percent if the amount of the reduction is added to the MHD at the 90-degree angle and if the minimum volume and surface area requirements are met based on an MHD of 7.32 meters (24.0 feet) or four times the average

[8] The body length of a *Monodon monoceros* (narwhale) is measured from the tip of the upper incisor tooth to the notch in the tail fluke. If the upper incisor is absent or does not extend beyond the front of the head, then it is measured like other cetaceans, from the tip of the upper jaw to the notch in the tail fluke. Immature males should be anticipated to develop the ''tusk'' (usually left incisor tooth) beginning at sexual maturity.

adult length of the longest species of Group II cetacean housed therein, whichever is greater.

(iii) In a pool housing a mixture of Group I and Group II cetaceans, the MHD shall be the largest required for any cetacean housed therein.

(iv) Once the required MHD has been satisfied, the pool size may be required to be adjusted to increase the surface area and volume when cetaceans are added. Examples of MHD and volume requirements for Group I cetaceans are shown in Table I, and for Group II cetaceans in Table II.

TABLE I—GROUP I CETACEANS [1]

Representative average adult lengths		Minimum horizontal dimension (MHD)		Minimum required depth		Volume of water required for each additional cetacean in excess of two	
Meters	Feet	Meters	Feet	Meters	Feet	Cubic meters	feet
1.68	5.5	7.32	24	1.83	6	8.11	284.95
2.29	7.5	7.32	24	1.83	6	15.07	529.87
2.74	9.0	7.32	24	1.83	6	21.57	763.02
3.05	10.0	7.32	24	1.83	6	26.73	942.00
3.51	11.5	7.32	24	1.83	6	35.40	1,245.79
3.66	12.0	7.32	24	1.83	6	38.49	1,356.48
4.27	14.0	8.53	28	2.13	7	60.97	2,154.04
5.49	18.0	10.97	36	2.74	9	129.65	4,578.12
5.64	18.5	11.28	37	2.82	9.25	140.83	4,970.33
5.79	19.0	11.58	38	2.90	9.50	152.64	5,384.32
6.71	22.0	13.41	44	3.36	11	237.50	8,358.68
6.86	22.5	13.72	45	3.43	11.25	253.42	8,941.64
7.32	24.0	14.63	48	3.66	12	307.89	10,851.84
8.53	28.0	17.07	56	4.27	14	487.78	17,232.32

[1] All calculations are rounded off to the nearest hundredth. In converting the length of cetaceans from feet to meters, 1 foot equals .3048 meter. Due to rounding of meter figures as to the length of the cetacean, the correlation of meters to feet in subsequent calculations of MHD and additional volume of water required per cetacean, over two, may vary slightly from a strict feet to meters ratio. Cubic meters is based on: 1 cubic foot=0.0283 cubic meter.

TABLE II—GROUP II CETACEANS [1]

Representative average adult length		Minimum horizontal dimension (MHD)		Minimum required depth		Volume of water required for each additional cetacean in excess of four	
Meters	Feet	Meters	Feet	Meters	Feet	Cubic meters [1]	Cubic feet
1.52	5.0	7.32	24	1.83	6	13.28	471.00
1.68	5.5	7.32	24	1.83	6	16.22	569.91
1.83	6.0	7.32	24	1.83	6	19.24	678.24
2.13	7.0	8.53	28	1.83	6	26.07	923.16
2.29	7.5	9.14	30	1.83	6	30.13	1,059.75
2.44	8.0	9.75	32	1.83	6	34.21	1,205.76
2.59	8.5	10.36	34	1.83	6	38.55	1,361.19
2.74	9.0	10.97	36	1.83	6	43.14	1,526.04

[1] Converting cubic feet to cubic meters is based on: 1 cubic foot=0.0283 of a cubic meter.

TABLE III—AVERAGE ADULT LENGTHS OF MARINE MAMMALS MAINTAINED IN CAPTIVITY [1]

Species	Common name	Average adult length	
		In meters	In feet
Group I Cetaceans:			
Balaenoptera acutorostrata	Minke whale	8.50	27.9
Cephalorhynchus commersonii	Commerson's dolphin	1.52	5.0
Delphinapterus leucas	Beluga whale	4.27	14.0
Monodon monoceros	Narwhale	3.96	13.0
Globicephala melaena	Long-finned pilot whale	5.79	19.0
Globicephala macrorhynchus	Short-finned pilot whale	5.49	18.0
Grampus griseus	Risso's dolphin	3.66	12.0
Orcinus orca	Killer whale	7.32	24.0
Pseudorca carassidens	False killer whale	4.35	14.3
Tursiops truncatus (Atlantic)	Bottlenose dolphin	2.74	9.0
Tursiops truncatus (Pacific)	Bottlenose dolphin	3.05	10.0

TABLE III—AVERAGE ADULT LENGTHS OF MARINE MAMMALS MAINTAINED IN CAPTIVITY [1]—Continued

Species	Common name	Average adult length	
		In meters	In feet
Inia geoffrensis	Amazon porpoise	2.44	8.0
Phocoena phocoena	Harbor porpoise	1.68	5.5
Pontoporia blainvillei	Franciscana	1.52	5.0
Sotalia fluviatilis	Tucuxi	1.68	5.5
Platanista, all species	River dolphin	2.44	8.0
Group II Cetaceans:			
Delphinus delphis	Common dolphin	2.59	8.5
Feresa attenuata	Pygmy killer whale	2.44	8.0
Kogia breviceps	Pygmy sperm whale	3.96	13.0
Kogia simus	Dwarf sperm whale	2.90	9.5
Lagenorhynchus acutus	Atlantic white-sided dolphin	2.90	9.5
Lagenorhynchus cruciger	Hourglass dolphin	1.70	5.6
Lagenorhynchus obliquidens	Pacific white-sided dolphin	2.29	7.5
Lagenorhynchus albirostris	White-beaked dolphin	2.74	9.0
Lagenorhynchus obscurus	Duskey dolphin	2.13	7.0
Lissodelphis borealis	Northern right whale dolphin	2.74	9.0
Neophocaena phocaenoides	Finless porpoise	1.83	6.0
Peponocephala electra	Melon-headed whale	2.74	9.0
Phocoenoides dalli	Dall's porpoise	2.00	6.5
Stenella longirostris	Spinner dolphin	2.13	7.0
Stenella coeruleoalba	Striped dolphin	2.29	7.5
Stenella attenuata	Spotted dolphin	2.29	7.5
Stenella plagiodon	Spotted dolphin	2.29	7.5
Steno bredanensis	Rough-toothed dolphin	2.44	8.0

[1] This table contains the species of marine mammals known by the Department to be presently in captivity or that are likely to become captive in the future. Anyone who is subject to the Animal Welfare Act having species of marine mammals in captivity which are not included in this table should consult the Deputy Administrator with regard to the average adult length of such animals.

Species	Common name	Average adult length			
		In meters		In feet	
		Male	Female	Male	Female
Group I Pinnipeds:					
*Arctocephalus gazella***	Antarctic Fur Seal	1.80	1.20	5.9	3.9
*Arctocephalus tropicalis***	Amsterdam Island Fur Seal	1.80	1.45	5.9	4.75
*Arctocephalus australis***	South American Fur Seal	1.88	1.42	6.2	4.7
*Arctocephalus pusillis***	Cape Fur Seal	2.73	1.83	8.96	6.0
*Callorhinus ursinus***	Northern Fur Seal	2.20	1.45	7.2	4.75
*Eumetopias jubatus***	Steller's Sea Lion	2.86	2.40	9.4	7.9
Hydrurga leptonyx	Leopard Seal	2.90	3.30	9.5	10.8
*Mirounga angustirostris***	Northern Elephant Seal	3.96	2.49	13.0	8.2
*Mirounga leonina***	Southern Elephant Seal	4.67	2.50	15.3	8.2
*Odobenus rosmarus***	Walrus	3.15	2.60	10.3	8.5
*Otaria flavescens***	South American Sea Lion	2.40	2.00	7.9	6.6
Phoca caspica	Caspian Seal	1.45	1.40	4.75	4.6
Phoca fasciata	Ribbon Seal	1.75	1.68	5.7	5.5
Phoca larga	Harbor Seal	1.70	1.50	5.6	4.9
Phoca vitulina	Habor Seal	1.70	1.50	5.6	4.9
Zalophus californianus	California Sea Lion	2.24	1.75	7.3	5.7
*Halichoerus grypus***	Grar Seal	2.30	1.95	7.5	6.4
Phoca sibirica	Baikal Seal	1.70	1.85	5.6	6.1
Phoca groenlandica	Harp Seal	1.85	1.85	6.1	6.1
*Leptonychotes weddelli***	Weddell Seal	2.90	3.15	9.5	10.3
*Lobodon carcinophagus***	Crabeater Seal	2.21	2.21	7.3	7.3
*Ommatophoca rossi***	Ross Seal	1.99	2.13	6.5	7.0
Group II Pinnipeds:					
Erignathus barbatus	Bearded Seal	2.33	2.33	7.6	7.6
Phoca hispida	Ringed Seal	1.35	1.30	4.4	4.3
Cystophora cristata	Hooded Seal	2.60	2.00	8.5	6.6

Note.—** Any Group I animals maintained together will be considered as Group II when the animals maintained together include two or more sexually mature males from species marked with a double asterisk (**) regardless of whether the sexually mature males from the same species.

Species	Common name	Average adult length	
		In meters	In feet
Sirenia:			
Dugong dugong	Dugong	3.35	11.0
Trichechus manatus	West Indian Manatee	3.51	11.5
Trichechus inunguis	Amazon Manatee	2.44	8.0
Mustelidae:			
Enhydra lutris	Sea Otter	1.25	4.1

(2) *The minimum depth requirement* for primary enclosure pools for all cetaceans shall be one-half the average adult length of the longest species to be housed therein, regardless of Group I or Group II classification, or 1.83 meters (6.0 feet), whichever is greater, and can be expressed as d=L/2 or 6 feet, whichever is greater. Those parts of the primary enclosure pool which do not meet the minimum depth requirement cannot be included when calculating space requirements for cetaceans.

(3) *Pool volume.* A pool of water housing cetaceans which satisfies the MHD and which meets the minimum depth requirement, will have sufficient volume and surface area to hold up to two Group I cetaceans or up to four Group II cetaceans. If additional cetaceans are to be added to the pool, the volume as well as the surface area may have to be adjusted to allow for additional space necessary for such cetaceans. See Tables I, II, and IV for volumes and surface area requirements. The additional volume needed shall be based on the number and kind of cetaceans housed therein and shall be determined in the following manner.

(i) The minimum volume of water required for up to two Group I cetaceans is based upon the following formula:

$$\text{Volume} = \left(\frac{\text{MHD}}{2}\right)^2 \times 3.14 \times \text{depth}$$

When there are more than two Group I cetaceans housed in a primary enclosure pool, the additional volume of water required for each additional Group I cetacean in excess of two is based on the following formula:

$$\text{Volume} = \left(\frac{\text{Average Adult Length}}{2}\right)^2 \times 3.14 \times \text{depth}$$

See Table I for required volumes.

(ii) The minimum volume of water required for up to four Group II cetaceans is based upon the following formula:

$$\text{Volume} = \left(\frac{\text{MHD}}{2}\right)^2 \times 3.14 \times \text{depth}$$

When there are more than four Group II cetaceans housed in a primary enclosure pool, the additional volume of water required for each additional Group II cetacean in excess of four is based on the following formula:

$$\text{Volume} = (\text{Average Adult Length})^2 \times 3.14 \times \text{depth}$$

See Table II for required volumes.

(iii) When a mixture of both Group I and Group II cetaceans are housed together, the MHD must be satisfied as stated in § 3.104(b)(1), and the minimum depth must be satisfied as stated in § 3.104(b)(2). Based on these figures, the resulting volume must then be calculated

$$\text{Volume} = \left(\frac{\text{MHD}}{2}\right)^2 \times 3.14 \times \text{depth}$$

Then the volume necessary for the cetaceans to be housed in the pool must be calculated (by obtaining the sum of the volumes required for each animal). If this volume is greater than that obtained by using the MHD and depth figures, then the additional volume required may be added by enlarging the pool in its lateral dimensions or by increasing its depth, or both. The minimum surface area requirements discussed next must also be satisfied.

(4)(i) *The minimum surface area* requirements for each cetacean housed in a pool, regardless of Group I or Group II classification, are calculated as follows:

$$\text{Surface Area} = \left(\frac{\text{average adult body length}}{2}\right)^2 \times 3.14 \times 1.5, \text{ or: } SA = (L/2)^2 \times 3.14 \times 1.5$$

In a pool containing more than two Group I cetaceans or more than four Group II cetaceans,[9] the additional surface area which may be required when animals are added must be calculated for each such animal.

(ii) When a mixture of Group I and Group II cetaceans are to be housed in a pool, the required MHD, depth, and volume must be met. Then the required surface area must be determined for each animal in the pool. The sum of these surface areas must then be compared to the surface area which is obtained by a computation based on the required MHD of the pool.[10] The larger of the two figures represents the surface area which is required for a pool housing a mixture of Group I and Group II cetaceans. Pool surfaces where the depth does not meet the minimum requirements cannot be used in determining the required surface area.

(iii) Surface area requirements are given in Table IV.

TABLE IV—MINIMUM SURFACE AREA REQUIRED FOR EACH CETACEAN

Average adult length of each cetacean		Surface area required for each cetacean	
Meters	Feet	Sq. meters[1]	Sq. feet
1.68	5.5	3.31	33.62
2.13	7.0	5.36	57.70
2.29	7.5	6.15	66.23
2.59	8.5	7.90	85.07
2.74	9.0	8.86	95.38
3.05	10.0	10.94	117.75
3.51	11.5	14.47	155.72
3.66	12.0	15.75	169.56
4.27	14.0	21.44	230.79
5.49	18.0	35.44	381.51
5.64	18.5	37.43	403.00
5.79	19.0	39.49	425.08
6.71	22.0	52.94	569.91
6.86	22.5	55.38	596.11
7.32	24.0	63.01	678.24
8.53	28.0	85.76	923.16

[1] Square meter=square feet/9×0.8361.

(c) *Sirenians.* Primary enclosures housing sirenians shall contain a pool of water and may consist entirely of a pool of water.

(1) The required MHD of a primary enclosure pool for sirenians shall be two times the average adult length of the longest species of sirenian to be housed therein. Calculations shall be based on the average adult length of such sirenians as measured in a horizontal line from the tip of the muzzle to the notch in the tail fluke of dugongs and from the tip of the muzzle to the most distal point in the rounded tail of the manatee.

(2) The minimum depth requirements for primary enclosure pools for all sirenians shall be one-half the average adult length of the longest species to be housed therein, or 1.52 meters (5.0 feet), whichever is greater. Those parts

[9] A pool containing up to two Group I cetaceans or up to four Group II cetaceans which meets the required MHD and depth will have the necessary surface area and volume required for the animals contained therein.

[10] Since the MHD represents the diameter of a circle, the surface area based on the MHD is calculated by use of the following formula: $SA = \pi \times (MHD/2)^2$.

of the primary enclosure pool which do not meet the minimum depth requirements cannot be included when calculating space requirements for sirenians.

(3) A pool which satisfies the required MHD and depth shall be adequate for one or two sirenians. Volume and surface area requirements for additional animals shall be calculated using the same formula as for Group I cetaceans, except that the figure for depth requirement for sirenians shall be one-half the average adult length or 1.52 meters (5.0 feet), whichever is greater.

(d) *Pinnipeds.* (1) Primary enclosures housing pinnipeds shall contain a pool of water and a dry resting or social activity area that must be close enough to the surface of the water to allow easy access for entering or leaving the pool. For the purposes of this subpart, pinnipeds have been divided into Group I pinnipeds and Group II pinnipeds as shown in Table III in this section. In certain instances some Group I pinnipeds shall be considered as Group II pinnipeds. (See Table III).

(2) The minimum size of the dry resting or social activity area of the primary enclosure for pinnipeds (exclusive of the pool of water) shall be based on the average adult length of each pinniped contained therein, as measured in a horizontal or extended position in a straight line from the tip of its nose to the tip of its tail. The minimum size of the dry resting or social activity area shall be computed using the following methods:

(i) *Group I pinnipeds.* Square the average adult length of each pinniped to be contained in the primary enclosure. Add the figures obtained for each of the pinnipeds in the primary enclosure to determine the dry resting or social activity area required for such pinnipeds. If only a single Group I pinniped is maintained in the primary enclosure, the minimum dry resting or social activity area shall be twice the square of the average adult length of that single Group I pinniped. Examples:

(average adult length)^2 of 1st Group I pinniped+(average adult length)^2 of 2nd Group I pinniped=Total DRA for two pinnipeds

DRA for one pinniped=2×(average adult length of Group I pinniped)^2

(ii) *Group II pinnipeds.* List all pinnipeds contained in a primary enclosure by average adult length in descending order from the longest species of pinniped to the shortest species of pinniped. Square the average adult length of each pinniped. Multiply the average adult length squared of the longest pinniped by 1.5, the second longest by 1.4, the third longest by 1.3, the fourth longest by 1.2, and the fifth longest by 1.1, as indicated in the following example. Square the average adult length of the sixth pinniped and each additional pinniped. Add the figures obtained for all the pinnipeds in the primary enclosure to determine the required minimum dry resting or social activity area required for such pinnipeds. If only a single Group II pinniped is maintained in the primary enclosure, the minimum dry resting or social activity area must be computed for a minimum of two pinnipeds.

Examples: DRA for 1 Group II Pinniped=[(Average adult length)^2×1.5]+[(Average adult length)^2×1.4]

1st pinniped (avg. adult length)^2×1.5=social and DRA required

2nd pinniped (avg. adult length)^2×1.4=social and DRA required

3rd pinniped (avg. adult length)^1×1.3=social and DRA required

4th pinniped (avg. adult length)^2×1.2=social and DRA required

5th pinniped (avg. adult length)^2×1.1=social and DRA required

Each pinniped over 5 (avg. adult length)^2=social and DRA required

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Total minimum social activity and dry resting area required for all pinnipeds housed in a primary enclosure.

If all the pinnipeds in the primary enclosure are of the same species, the same descending order of calculation shall apply. Example: Hooded seal—average adult length of male=8.5 feet and female=6.6 feet. In a primary enclosure containing 2 males and 2 females, the social or DRA required would be the sum of [(8.5)^2×1.5]+ [(8.5)^2×1.4] +[(6.6)^2×1.3] +[(6.6)^2×1.2].

If two or more sexually mature males are maintained together in a primary enclosure, the dry resting or social activity area shall be divided into two or more separate areas with sufficient visual barriers (such as fences, rocks, or

foliage) to provide relief from aggressive animals.

(iii) *Mixture of Group I and Group II pinnipeds.* In a primary enclosure where a mixture of Group I and Group II pinnipeds is to be housed, the dry resting or social activity area shall be calculated as for Group II pinnipeds. The dry resting or social activity area shall be divided into two or more separate areas with sufficient visual barriers (such as fences, rocks, or foliage) to provide relief from aggressive animals.

(3)(i) The minimum surface area of a pool of water for pinnipeds shall be at least equal to the dry resting or social activity area required.

(ii) The MHD of the pool shall be at least one and one-half (1.5) times the average adult length of the largest species of pinniped to be housed in the enclosure; except that such MHD measurement may be reduced by up to 20 percent if the amount of the reduction is added to the MHD at the 90-degree angle.

(iii) The pool of water shall be at least 0.91 meters (3.0 feet) deep or one-half the average adult length of the longest species of pinniped contained therein, whichever is greater. Parts of the pool that do not meet the minimum depth requirement cannot be used in the calculation of the dry resting and social activity area, or as part of the MHD or required surface area of the pool.

(e) *Polar bears.* Primary enclosures housing polar bears shall consist of a pool of water, a dry resting and social activity area, and a den. A minimum of 37.16 square meters (400 square feet) of dry resting and social activity area shall be provided for up to two polar bears, with an additional 3.72 square meters (40 square feet) of dry resting and social activity area for each additional polar bear. The dry resting and social activity area shall be provided with enough shade to accommodate all of the polar bears housed in such primary enclosure at the same time. The pool of water shall have an MHD of not less than 2.44 meters (8.0 feet) and a surface area of at least 8.93 square meters (96.0 square feet) with a minimum depth of 1.52 meters (5.0 feet) with the exception of any entry and exit area. This size pool shall be adequate for two polar bears. For each additional bear, the surface area of the pool must be increased by 3.72 square meters (40 square feet). In measuring this additional surface area, parts of the pool which do not meet minimum depth cannot be considered. The den shall be at least 1.83 meters (6 feet) in width and depth and not less than 1.52 meters (5 feet) in height. It will be so positioned that the viewing public shall not be visible from the interior of the den. A separate den shall be provided for each adult female of breeding age which is permanently housed in the same primary enclosure with an adult male of breeding age. Female polar bears in traveling acts or shows must be provided a den when pregnancy has been determined.

(f) *Sea otters.* (1) Primary enclosures for sea otters shall consist of a pool of water and a dry resting area. The MHD of the pool of water for sea otters shall be at least three times the average adult length of the sea otter contained therein (measured in a horizontal line from the tip of its nose to the tip of its tail) and the pool shall be not less than .91 meters (3.0 feet) deep. When more than two sea otters are housed in the same primary enclosure, additional dry resting area as well as pool volume is required to accommodate the additional sea otters. (See Table V).

(2) The minimum volume of water required for a primary enclosure pool for sea otters shall be based on the sea otter's average adult length. The minimum volume of water required in the pool shall be computed using the following method: Multiply the square of the sea otter's average adult length by 3.14 and then multiply the total by 0.91 meters (3.0 feet). This volume is satisfactory for one or two otters. To calculate the additional volume of water for each additional sea otter above two in a primary enclosure, multiply one-half of the square of the sea otter's average adult length by 3.14, then multiply by 0.91 meters (3.0 feet). (See Table V).

(3) The minimum dry resting area required for one or two sea otters shall be based on the sea otter's average adult length. The minimum dry resting area for one or two sea otters shall be computed using the following method: Square the average adult length of the

sea otter and multiply the total by 3.14. When the enclosure is to contain more than two sea otters, the dry resting area for each additional animal shall be computed by multiplying one-half of the sea otter's average adult length by 3.14. Using 1.25 meters or 4.1 feet (the average adult length of a sea otter), the calculations for additional space will result in the following figures:

TABLE V—ADDITIONAL SPACE REQUIRED FOR EACH SEA OTTER WHEN MORE THAN TWO IN A PRIMARY ENCLOSURE

Average adult length of sea otter		Resting area		Pool Volume	
Meters	Feet	Square meters	Square Feet	Cubic meters	Cubic feet
1.25	4.1	1.96	6.44	2.23	79.17

[44 FR 36874, June 22, 1979, as amended at 45 FR 63261, Sept. 24, 1980; 49 FR 26682, 26685, June 28, 1984; 49 FR 27922, July 9, 1984; 63 FR 2, Jan. 2, 1998; 63 FR 47148, Sept. 4, 1998]

ANIMAL HEALTH AND HUSBANDRY STANDARDS

§ 3.105 Feeding.

(a) The food for marine mammals shall be wholesome, palatable, and free from contamination, and shall be of sufficient quantity and nutritive value to maintain all of the marine mammals in a state of good health. The diet shall be prepared with consideration for age, species, condition, size, and type of marine mammal being fed. Marine mammals shall be offered food at least once a day, except as directed by veterinary treatment or professionally accepted practices.

(b) Food receptacles, if used, shall be located so as to be accessible to all marine mammals in the same primary enclosure and shall be placed so as to minimize contamination of the food contained therein. Such food receptacles shall be cleaned and sanitized after each use.

(c) Food, when given to each marine mammal individually, shall be given by an employee or attendant responsible to management who has the necessary knowledge to assure that each marine mammal receives an adequate quantity of food to maintain it in good health. Such employee or attendant is required to have the ability to recognize deviations from a normal state of good health in each marine mammal so that the food intake can be adjusted accordingly. Public feeding shall be only permitted if it is done in the presence and under the supervision of a uniformed employee or attendant. Such employee or attendant must assure that the marine mammals are receiving the proper amount and type of food. Only food supplied by the facility where the marine mammals are kept shall be fed to such mammals by the public.

(d) Food preparation and handling shall be conducted so as to minimize bacterial or chemical contamination and to assure the wholesomeness and nutritive value of the food. Frozen fish or other frozen food shall be stored in freezers which are maintained at a maximum temperature of −18°C. (0° F.). The length of time food is stored and the method of storage, as well as the thawing of frozen food, shall be conducted in a manner which will minimize contamination and which will assure that the food retains nutritive value and wholesome quality. The thawed product shall be kept iced or refrigerated until a reasonable time before feeding. All foods shall be fed to the marine mammals within 24 hours following the removal of such foods from the freezers for thawing.

§ 3.106 Water quality.

(a) *General.* The primary enclosure shall not contain water which would be detrimental to the health of the marine mammal contained therein.

(b) *Bacterial standards.* (1) The coliform bacteria count of the primary enclosure pool shall not exceed 1,000 MPN (most probable number) per 100 ml. of water. Should a coliform bacterial count exceed 1,000 MPN, two subsequent samples may be taken at 48-hour intervals and averaged with the first

sample. If such average count does not fall below 1,000 MPN, then the water in the pool shall be deemed unsatisfactory, and the condition must be corrected immediately.

(2) When the water is chemically treated, the chemicals shall be added so as not to cause harm or discomfort to the marine mammals.

(3) Water samples shall be taken and tested at least weekly for coliform count and at least daily for pH and any chemical additives (e.g. chlorine and copper) that are added to the water to maintain water quality standards. Facilities using natural seawater shall be exempt from pH and chemical testing unless chemicals are added to maintain water quality. However, they are required to test for coliforms. Records must be kept documenting the time when all such samples were taken and the results of the sampling. Records of all such test results shall be maintained by management for a 1-year period and must be made available for inspection purposes on request.

(c) *Salinity.* Primary enclosure pools of water shall be salinized for marine cetaceans as well as for those other marine mammals which require salinized water for their good health and well-being. The salinity of the water in such pools shall be maintained within a range of 15–36 parts per thousand.

(d) *Filtration and water flow.* Water quality must be maintained by filtration, chemical treatment, or other means so as to comply with the water quality standards specified in this section.

§ 3.107 Sanitation.

(a) *Primary enclosures.* (1) Animal and food waste in areas other than the pool of water shall be removed from the primary enclosure at least daily, and more often when necessary to prevent contamination of the marine mammals contained therein and to minimize disease hazards.

(2) Particulate animal and food waste, trash, or debris that enter the primary enclosure pool of water shall be removed as often as necessary to maintain the required water quality and to prevent health hazards to the marine mammals contained therein.

(3) The wall and bottom surfaces of the primary enclosure pool of water shall be cleaned as often as necessary to maintain proper water quality.

(b) *Food preparation areas and food receptacles.* Containers, such as buckets, tubs, and tanks, as well as utensils, such as knives and cutting boards, or any other equipment which has been used for holding, thawing or preparing food for marine mammals shall be cleaned and sanitized after each feeding, if the marine mammals are fed once a day, and at least daily if the marine mammals are fed more than once a day. Kitchens and other food handling areas where animal food is prepared shall be cleaned at least once daily and sanitized at least once every week. Sanitizing shall be accomplished by washing with hot water (82° C., 180° F., or higher) and soap or detergent in a mechanical dishwasher, or by washing all soiled surfaces with a detergent solution followed by a safe and effective disinfectant, or by cleaning all soiled surfaces with live steam. Substances such as cleansing and sanitizing agents, pesticides, and other potentially toxic agents must be stored in properly labeled containers away from food preparation surface areas.

(c) *Housekeeping.* Buildings and grounds, as well as exhibit areas, shall be kept clean and in good repair. Fences shall be maintained in good repair. Primary enclosures housing marine mammals shall not have any loose objects, sharp projections, and/or edges which may cause injury or trauma to the marine mammals contained therein.

(d) *Pest control.* A safe and effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained. Insecticides or other such chemical agents shall not be applied in a primary enclosure housing marine mammals except when deemed essential by an attending veterinarian.

§ 3.108 Employees or attendants.

A sufficient number of adequately trained employees or attendants responsible to management shall be utilized to maintain the prescribed level of husbandry practices set forth in this

subpart. Such practices shall be conducted under the supervision of a marine mammal caretaker who has a background in marine mammal husbandry and care. Training of marine mammals shall be done by or under the direct supervision of experienced trainers without physical punishment or abuse being used or inflicted upon the marine mammals.

§ 3.109 Separation.

Marine mammals which are not compatible shall not be housed in the same enclosure. Marine mammals shall not be housed near animals that would cause them stress or discomfort, or interfere with their good health. Captive marine mammals must be given access to other animals except when they are temporarily maintained in isolation for such purposes as medical treatment or training and given special attention.

§ 3.110 Veterinary care.

(a) Newly acquired marine mammals shall be isolated from resident marine mammals until such newly acquired marine mammals can be reasonably determined to be in good health. Any communicable disease condition in a newly acquired marine mammal must be remedied before it is placed with other resident marine mammals.

(b) Any primary enclosure containing a marine mammal with an infectious or contagious disease shall be cleaned and sanitized in the manner prescribed by the attending veterinarian. No additional animals shall be introduced into the primary enclosure prior to such cleaning and sanitizing procedures. Any marine mammal exposed to a diseased animal shall be isolated for observation for an appropriate period of time as determined by the attending veterinarian.

(c) Temporary holding facilities with adequately and properly designed pools, tanks, restraining devices or primary enclosures shall be provided for isolation, medication, treatment, and other purposes such as transfer and training of marine mammals. The pools, tanks and primary enclosures may be less than minimum size in both lateral dimensions and depth when used in special situations when prescribed by the professional staff for temporary usage.

(d) A complete necropsy must be conducted by or under the direct supervision of a veterinarian on all marine mammals that die in captivity. A necropsy report must be prepared by the veterinarian listing all pathologic lesions observed and giving the apparent cause of death. All diagnostic tests conducted on post mortem specimens shall be listed in the report, and the results of each test recorded. The management of the facility, at which the marine mammal died, must maintain these necropsy records for a period of 3 years and present them to Department inspectors when requested.

[44 FR 36874, June 22, 1979, as amended at 54 FR 36163, Aug. 31, 1989]

§ 3.111 Swim-with-the-dolphin programs.

Swim-with-the-dolphin programs shall comply with the requirements in this section, as well as with all other applicable requirements of the regulations pertaining to marine mammals.

(a) *Space requirements.* The primary enclosure for SWTD cetaceans shall contain an interactive area, a buffer area, and a sanctuary area. None of these areas shall be made uninviting to the animals. Movement of cetaceans into the buffer or sanctuary area shall not be restricted in any way. Notwithstanding the space requirements set forth in §3.104, each of the three areas required for SWTD programs shall meet the following space requirements:

(1) The horizontal dimension for each area must be at least three times the average adult body length of the species of cetacean used in the program;

(2) The minimum surface area required for each area is calculated as follows:

(i) *Up to two cetaceans:*

$$\text{Surface Area (SA)} = \left(\frac{3 \times \text{average adult body length (L)}}{2}\right)^2 \times 3.14$$

(ii) *Three cetaceans:*

$$SA = \left(\frac{3 \times L}{2}\right)^2 \times 3.14 \times 2$$

(iii) *Additional SA for each animal in excess of three:*

$$SA = \left(\frac{2 \times L}{2}\right)^2 \times 3.14$$

(3) The average depth for sea pens, lagoons, and similar natural enclosures at low tide shall be at least 9 feet. The average depth for any manmade enclosure or other structure not subject to tidal action shall be at least 9 feet. A portion of each area may be excluded when calculating the average depth, but the excluded portion may not be used in calculating whether the interactive, buffer, and sanctuary area meet the requirements of paragraphs (a)(1), (a)(2), and (a)(4) of this section.

(4) The minimum volume required for each animal is calculated as follows:

Volume = SA × 9

(b) *Water clarity.* Sufficient water clarity shall be maintained so that attendants are able to observe cetaceans and humans at all times while within the interactive area. If water clarity does not allow these observations, the interactive sessions shall be canceled until the required clarity is provided.

(c) *Employees and attendants.* Each SWTD program shall have, at the minimum, the following personnel, with the following minimum backgrounds (each position shall be held by a separate individual, with a sufficient number of attendants to comply with §3.111(e)(4)):

(1) Licensee or manager—at least one full-time staff member with at least 6 years experience in a professional or managerial position dealing with captive cetaceans;

(2) Head trainer/behaviorist—at least one full-time staff member with at least 6 years experience in training cetaceans for SWTD behaviors in the past 10 years, or an equivalent amount of experience involving in-water training of cetaceans, who serves as the head trainer for the SWTD program;

(3) Trainer/supervising attendant—at least one full-time staff member with at least 3 years training and/or handling experience involving human/cetacean interaction programs;

(4) Attendant—an adequate number of staff members who are adequately trained in the care, behavior, and training of the program animals. Attendants shall be designated by the trainer, in consultation with the head trainer/behaviorist and licensee/manager, to conduct and monitor interactive sessions in accordance with §3.111(e); and

(5) Attending veterinarian—at least one staff or consultant veterinarian who has at least the equivalent of 2 years full-time experience (4,160 or more hours) with cetacean medicine within the past 10 years, and who is licensed to practice veterinary medicine.

(d) *Program animals.* Only cetaceans that meet the requirements of §3.111(e)(2) and (3) may be used in SWTD programs.

(e) *Handling.* (1) Interaction time (*i.e.*, designated interactive swim sessions) for each cetacean shall not exceed 2 hours per day. Each program cetacean shall have at least one period in each 24 hours of at least 10 continuous hours without public interaction.

(2) All cetaceans used in an interactive session shall be adequately trained and conditioned in human interaction so that they respond in the session to the attendants with appropriate behavior for safe interaction. The head trainer/behaviorist, trainer/supervising attendant, or attendant shall, at all times, control the nature and extent of the cetacean interaction with the public during a session, using the trained responses of the program animal.

(3) All cetaceans used in interactive sessions shall be in good health, including, but not limited to, not being infectious. Cetaceans undergoing veterinary treatment may be used in interactive sessions only with the approval of the attending veterinarian.

(4) The ratio of human participants to cetaceans shall not exceed 3:1. The ratio of human participants to attendants or other authorized SWTD personnel (i.e., head trainer/behaviorist or trainer/supervising attendant) shall not exceed 3:1.

(5) Prior to participating in an SWTD interactive session, members of the public shall be provided with oral and written rules and instructions for the session, to include the telephone and FAX numbers for APHIS, Animal Care, for reporting injuries or complaints. Members of the public shall agree, in writing, to abide by the rules and instructions before being allowed to participate in the session. Any participant who fails to follow the rules or instructions shall be removed from the session by the facility.

(6) All interactive sessions shall have at least two attendants or other authorized SWTD personnel (i.e., head trainer/behaviorist or trainer/supervising attendant). At least one attendant shall be positioned out of the water. One or more attendants or other authorized SWTD personnel may be positioned in the water. If a facility has more than two incidents during interactive sessions within a year's time span that have been dangerous or harmful to either a cetacean or a human, APHIS, in consultation with the head trainer/behaviorist, will determine if changes in attendant positions are needed.

(7) All SWTD programs shall limit interaction between cetaceans and humans so that the interaction does not harm the cetaceans, does not remove the element of choice from the cetaceans by actions such as, but not limited to, recalling the animal from the sanctuary area, and does not elicit unsatisfactory, undesirable, or unsafe behaviors from the cetaceans. All SWTD programs shall prohibit grasping or holding of the cetacean's body, unless under the direct and explicit instruction of an attendant eliciting a specific cetacean behavior, and shall prevent the chasing or other harassment of the cetaceans.

(8) In cases where cetaceans used in an interactive session exhibit unsatisfactory, undesirable, or unsafe behaviors, including, but not limited to, charging, biting, mouthing, or sexual contact with humans, such cetaceans shall either be removed from the interactive area or the session shall be terminated. Written criteria shall be developed by each SWTD program, and shall be submitted to and approved by APHIS[11] regarding conditions and procedures for maintaining compliance with paragraph (e)(4) of this section; for the termination of a session when removal of a cetacean is not possible; and regarding criteria and protocols for handling program animal(s) exhibiting unsatisfactory, undesirable, or unsafe behaviors, including retraining time and techniques, and removal from the program and/or facility, if appropriate. The head trainer/behaviorist shall determine when operations will be terminated, and when they may resume. In the absence of the head trainer/behaviorist, the determination to terminate a session shall be made by the trainer/supervising attendant. Only the head trainer/behaviorist may determine when a session may be resumed.

(f) *Recordkeeping.* (1) Each facility shall provide APHIS[12] with a description of its program at least 30 days prior to initiation of the program, or in the case of any program in place before September 4, 1998, not later than October 5, 1998. The description shall include at least the following:

(i) Identification of each cetacean in the program, by means of name and/or number, sex, age, and any other means the Administrator determines to be necessary to adequately identify the cetacean;

(ii) A description of the educational content and agenda of planned interactive sessions, and the anticipated average and maximum frequency and duration of encounters per cetacean per day;

[11] Send to Administrator, c/o Animal and Plant Health Inspection Service, Animal Care, 4700 River Road Unit 84, Riverdale, Maryland 20737–1234.

[12] See footnote 11 in § 3.111(e)(8).

(iii) The content and method of pre-encounter orientation, rules, and instructions, including restrictions on types of physical contact with the cetaceans;

(iv) A description of the SWTD facility, including the primary enclosure and other SWTD animal housing or holding enclosures at the facility;

(v) A description of the training, including actual or expected number of hours each cetacean has undergone or will undergo prior to participation in the program;

(vi) The resume of the licensee and/or manager, the head trainer/behaviorist, the trainer/supervising attendant, any other attendants, and the attending veterinarian;

(vii) The current behavior patterns and health of each cetacean, to be assessed and submitted by the attending veterinarian;

(viii) For facilities that employ a part-time attending veterinarian or consultant arrangements, a written program of veterinary care (APHIS form 7002), including protocols and schedules of professional visits; and

(ix) A detailed description of the monitoring program to be used to detect and identify changes in the behavior and health of the cetaceans.

(2) All SWTD programs shall comply in all respects with the regulations and standards set forth in parts 2 and 3 of this subchapter.

(3) Individual animal veterinary records, including all examinations, laboratory reports, treatments, and necropsy reports shall be kept at the SWTD site for at least 3 years and shall be made available to an APHIS official upon request during inspection.

(4) The following records shall be kept at the SWTD site for at least 3 years and shall be made available to an APHIS official upon request during inspection:

(i) Individual cetacean feeding records; and

(ii) Individual cetacean behavioral records.

(5) The following reports shall be kept at the SWTD site for at least 3 years and shall be made available to an APHIS official upon request during inspection:

(i) Statistical summaries of the number of minutes per day that each animal participated in an interactive session;

(ii) A statistical summary of the number of human participants per month in the SWTD program; and

(6) A description of any changes made in the SWTD program, which shall be submitted to APHIS[13] on a semi-annual basis.

(7) All incidents resulting in injury to either cetaceans or humans participating in an interactive session, which shall be reported to APHIS within 24 hours of the incident.[14] Within 7 days of any such incident, a written report shall be submitted to the Administrator.[15] The report shall provide a detailed description of the incident and shall establish a plan of action for the prevention of further occurrences.

(g) *Veterinary care.* (1) The attending veterinarian shall conduct on-site evaluations of each cetacean at least once a month. The evaluation shall include a visual inspection of the animal; examination of the behavioral, feeding, and medical records of the animal; and a discussion of each animal with an animal care staff member familiar with the animal.

(2) The attending veterinarian shall observe an interactive swim session at the SWTD site at least once each month.

(3) The attending veterinarian shall conduct a complete physical examination of each cetacean at least once every 6 months. The examination shall include a profile of the cetacean, including the cetacean's identification (name and/or number, sex, and age), weight,[16] length, axillary girth, appetite, and behavior. The attending veterinarian shall also conduct a general

[13] See footnote 11 in §3.111(e)(8).

[14] Telephone numbers for APHIS, Animal Care, regional offices can be found in local telephone books.

[15] See footnote 11 in §3.111(e)(8).

[16] Weight may be measured either by scale or calculated using the following formulae:

Females: Natural log of body mass = −8.44 + 1.34(natural log of girth) + 1.28(natural log of standard length).

Males: Natural log of body mass= −10.3 +

Continued

examination to evaluate body condition, skin, eyes, mouth, blow hole and cardio-respiratory system, genitalia, and feces (gastrointestinal status). The examination shall also include a complete blood count and serum chemistry analysis. Fecal and blow hole smears shall be obtained for cytology and parasite evaluation.

(4) The attending veterinarian, during the monthly site visit, shall record the nutritional and reproductive status of each cetacean (*i.e.*, whether in an active breeding program, pregnant, or nursing).

(5) The attending veterinarian shall examine water quality records and provide a written assessment, to remain at the SWTD site for at least 3 years, of the overall water quality during the preceding month. Such records shall be made available to an APHIS official upon request during inspection.

(6) In the event that a cetacean dies, complete necropsy results, including all appropriate histopathology, shall be recorded in the cetacean's individual file and shall be made available to APHIS officials during facility inspections, or as requested by APHIS. The necropsy shall be performed within 48 hours of the cetacean's death, by a veterinarian experienced in marine mammal necropsies. If the necropsy is not to be performed within 3 hours of the discovery of the cetacean's death, the cetacean shall be refrigerated until necropsy. Written results of the necropsy shall be available in the cetacean's individual file within 7 days after death for gross pathology and within 45 days after death for histopathology.

(Approved by the Office of Management and Budget under control numbers 0579–0036 and 0579–0115)

[63 FR 47148, Sept. 4, 1998]

EFFECTIVE DATE NOTE: At 64 FR 15920, Apr. 2, 1999, §3.111 was suspended, effective Apr. 2, 1999.

Females: Natural log of body mass = −8.44 + 1.34(natural log of girth) + 1.28(natural log of standard length).

Males: Natural log of body mass= −10.3 + 1.62(natural log of girth) + 1.38(natural log of standard length).

TRANSPORTATION STANDARDS

§ 3.112 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers shall not accept any marine mammal presented by any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government for shipment, in commerce, more than 4 hours prior to the scheduled departure of the primary conveyance on which it is to be transported: *Provided, however,* That the carrier or intermediate handler and any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States of any State or local government may mutually agree to extend the time of acceptance to not more than 6 hours if specific prior scheduling of the animal shipment to destination has been made.

(b) Any carrier or intermediate handler shall only accept for transportation or transport, in commerce, any marine mammal in a primary enclosure which conforms to the requirements set forth in §3.113 of the standards: *Provided, however,* That any carrier or intermediate handler may accept for transportation or transport, in commerce, any marine mammal consigned by any department, agency, or instrumentality of the United States having laboratory animal facilities or exhibiting animals or any licensed or registered dealer, research facility, exhibitor, or operator of an auction sale if the consignor furnishes to the carrier or intermediate handler a certificate, signed by the consignor, stating that the primary enclosure complies with §3.113 of the standards, unless such primary enclosure is obviously defective or damaged and it is apparent that it cannot reasonably be expected to contain the marine mammal without causing suffering or injury to such marine mammal. A copy of such certificate shall accompany the shipment to destination. The certificate shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of animals in the primary enclosure(s);

(3) A certifying statement (e.g., ''I hereby certify that the ——— (number) primary enclosure(s) which are used to transport the animal(s) in this shipment complies (comply) with USDA standards for primary enclosures (9 CFR part 3).''); and

(4) The signature of the consignor, and date.

(c) Carriers or intermediate handlers whose facilities fail to meet the minimum temperature allowed by the standards may accept for transportation or transport, in commerce, any marine mammal consigned by any department, agency, or instrumentality of the United States or of any State or local government, or by any person (including any licensee or registrant under the Act, as well as any private individual) if the consignor furnishes to the carrier or intermediate handler a certificate executed by a veterinarian accredited by this Department pursuant to part 160 of this title on a specified date which shall not be more than 10 days prior to delivery of such animal for transportation in commerce, stating that such marine mammal is acclimated to air temperatures lower than those prescribed in §§3.117 and 3.118. A copy of such certificate shall accompany the shipment to destination. The certificate to include at least the following information:

(1) Name and address of the consignor;

(2) The number of animals in the shipment;

(3) A certifying statement (e.g., ''I hereby certify that the animal(s) in this shipment is (are), to the best of my knowledge, acclimated to air temperatures lower than 7.2° C. (45° F.)''); and

(4) The signature of the USDA accredited veterinarian, assigned accreditation number, and date.

(d) Carriers and intermediate handlers shall attempt to notify the consigned at least once in every 6-hour period following the arrival of any marine mammals at the animal holding area of the terminal cargo facility. The time, date, and method of each attempted notification and the final notification to the consignee and the name of the person notifying the consignee shall be recorded on the copy of the shipping document retained by the carrier or intermediate handler and on a copy of the shipping document accompanying the animal shipment.

[44 FR 36874, June 22, 1979, as amended at 44 FR 63493, Nov. 2, 1979]

§3.113 Primary enclosures used to transport marine mammals.

No dealer, research facility, exhibitor, or operator of an auction sale shall offer for transportation or transport, in commerce, any marine mammal in a primary enclosure which does not conform to the following requirements:

(a) Primary enclosures, which are used to transport marine mammals other than cetaceans and sirenians, shall (1) be constructed from materials of sufficient structural strength to contain the marine mammals; (2) be constructed from material that is durable, nontoxic, and cannot be chewed and/or swallowed; (3) be able to withstand the normal rigors of transportation; (4) have interiors which are free from any protrusions that could be injurious to the marine mammals contained therein; (5) be constructed so that no parts of the contained marine mammals shall be exposed to the outside of the enclosures in such a way which may cause injury to the animals or to persons who are nearby or who handle the enclosures; (6) have openings which provide access into the enclosures which shall be secured with locking devices of a type which cannot be accidentally opened; (7) have such openings located in a manner which makes them easily accessible at all times for emergency removal of any live marine mammal contained therein; (8) have air inlets at heights which will provide cross ventilation at all levels (particularly when the marine mammals are in a prone position) and located on all four sides of the enclosures, and such ventilation openings shall be not less than 16 percent of the total surface area of each side of the enclosures; (9) have projecting rims or other devices placed on the ends and sides of any enclosures which have ventilation openings to provide a minimum air circulation space of 1.9 centimeters (0.75 inches) between the enclosures and any

adjacent cargo or conveyance wall; and (10) be equipped with adequate handholds or other devices on the exterior of the enclosures which shall enable them to be lifted without unnecessary tilting and which will ensure that the persons handling the enclosures will not come in contact with any marine mammal contained therein.

(b) Straps, slings, harnesses, or other devices, if used for body support or restraint, when transporting marine mammals such as cetaceans and sirenians shall (1) be designed so as not to prevent access to such mammals by attendants during transportation for the purpose of administering in transit care; (2) be equipped with special padding to prevent trauma or injury at critical weight pressure points on the body of the marine mammals; and (3) be capable of keeping the animals from thrashing about and causing injury to themselves or their attendants, and yet be adequately designed so as not to cause injury to the animals.

(c) Primary enclosures used to transport live marine mammals shall be large enough to assure that (1) in the case of polar bears and sea otters, there is sufficient space to turn about freely in a stance whereby all four feet are on the floor and the animal can sit in an upright position and lie in a natural position; (2) in the case of pinnipeds, each animal has sufficient space to lie in a natural position; and (3) in the case of cetaceans and sirenians, each animal has sufficient space for support of its body in slings, harnesses, or other supporting devices, if used (as prescribed in paragraph (b) of this section) without causing injury to such cetaceans or sirenians due to contact with the primary enclosure: *Provided, however,* That certain species may be restricted in their movements according to professionally acceptable standards when such freedom of movement would constitute a danger to the animals, their handlers, or other persons.

(d) Marine mammals transported in the same primary enclosure shall be of the same species and maintained in compatible groups. Marine mammals which have not reached puberty shall not be transported in the same primary enclosure with adult marine mammals other than their dams. Socially dependent animals (e.g., sibling, dam, and other members of a family group) must be allowed visual and olfactory contact. Female marine mammals shall not be transported in the same primary enclosure with any mature male marine mammals.

(e) Primary enclosures used to transport marine mammals as provided in this section shall have solid bottoms to prevent leakage in shipment and shall be cleaned and sanitized in a manner prescribed in §3.107 of the standards, if previously used. Such primary enclosures shall contain clean litter of a suitable absorbent material, which is safe and nontoxic to the marine mammals contained therein, in sufficient quantity to absorb and cover excreta, unless the animals are on wire or other nonsolid floors.

(f) Primary enclosures used to transport marine mammals, except where such primary enclosures are permanently affixed in the animal cargo space of the primary conveyance, shall be clearly marked on top and on one or more sides with the words ''Live Animal'' or ''Wild Animal'', whichever is appropriate, in letters not less than 2.5 centimeters (1 inch) in height, and with arrows or other markings, to indicate the correct upright position of the container.

(g) Documents accompanying the shipment shall be attached in an easily accessible manner to the outside of a primary enclosure which is part of such shipment.

(h) When a primary enclosure is permanently affixed within the animal cargo space of the primary conveyance so that the front opening is the only source of ventilation for such primary enclosure, the front opening shall open directly to the outside or to an unobstructed aisle or passageway within the primary conveyance. Such front ventilation opening shall be at least 90 percent of the total surface area of the front wall of the primary enclosure and covered with bars, wire mesh, or smooth expanded metal.

§ 3.114 Primary conveyances (motor vehicle, rail, air and marine).

(a) The animal cargo space of primary conveyances used in transporting

live marine mammals shall be constructed in a manner which will protect the health and assure the safety and comfort of the marine mammals contained therein at all times.

(b) The animal cargo space shall be constructed and maintained in a manner which will prevent the ingress of engine exhaust fumes and gases in excess of that ordinarily contained in the passenger compartments.

(c) No marine mammal shall be placed in an animal cargo space that does not have a supply of air sufficient for normal breathing for each live animal contained therein, and the primary enclosures shall be positioned in the animal cargo spaces of primary conveyances in such a manner that each marine mammal contained therein shall have access to sufficient air for normal breathing.

(d) Primary enclosures shall be positioned in primary conveyances in such a manner that in an emergency the live marine mammals can be removed from the conveyances as soon as possible.

(e) The interiors of animal cargo spaces in primary conveyances shall be kept clean.

(f) Live marine mammals shall not knowingly be transported with any material, substance or device which may be injurious to the health and well-being of such marine mammals unless proper precaution is taken to prevent such injury.

§3.115 Food and water requirements.

(a) Those marine mammals which require drinking water shall be offered potable water within 4 hours prior to being transported in commerce or offered for transportation in commerce. Such marine mammals shall be watered as often as necessary and appropriate to the species involved to prevent excessive dehydration which would jeopardize the good health and well-being of the animals.

(b) Marine mammals shall not be transported for more than a period of 36 hours without being offered food. When an employee or attendant is required to accompany a shipment of marine mammals, as provided in §3.116 of these standards, such marine mammals shall be fed during transit when necessary to provide for their good health and well-being.

§3.116 Care in transit.

(a) An employee or attendant of the shipper or receiver of any marine mammal being transported, in commerce, knowledgeable in the area of marine mammal care, shall accompany cetaceans, sirenians, pinnipeds, and sea otters during periods of transportation to provide for their good health and well-being, to observe such marine mammals and to determine whether they need veterinary care and to obtain any needed veterinary care as soon as possible.

(b) An employee or attendant of the shipper or receiver of cetaceans or sirenians being transported, in commerce, shall provide for such cetaceans and sirenians during periods of transport by (1) keeping the skin moist or preventing the drying of the skin by such methods as intermittent spraying of water or application of a nontoxic emollient, such as lanolin; (2) assuring that the pectoral flippers shall be allowed freedom of movement at all times; (3) making adjustments in the position of such marine mammals when necessary to prevent necrosis of the skin at weight pressure points; and (4) calming such marine mammals to avoid struggling, thrashing, and other unnecessary activity which may cause overheating or physical trauma. No cetacean or sirenian in need of veterinary care shall be transported in commerce, unless such transportation is for the purpose of obtaining such care.

(c) Not less than one-half of the floor area in a primary enclosure used to transport sea otters shall be leakproof and shall contain sufficient crushed ice or ice water to provide each sea otter contained therein with moisture necessary to allow each sea otter to maintain its hair coat by preventing it from drying and to minimize soiling of the hair coat with urine and fecal material. No sea otter in need of veterinary care shall be transported in commerce, unless such transportation is for the purpose of obtaining such care.

(d) Polar bears need not be accompanied by an employee or attendant of the shipper or receiver, unless the period of transportation will exceed 24

hours in duration. During surface transportation, it shall be the responsibility of the carrier to inspect polar bears unaccompanied by an employee or attendant at least every 4 hours to determine whether they need veterinary care and to provide any needed veterinary care as soon as possible. When transported by air, live polar bears unaccompanied by an employee or attendant, shall be inspected by the carrier at least every 4 hours if the animal cargo space is accessible during flight. If the animal cargo space is not accessible during flight, the air carrier shall inspect such live unattended polar bears whenever loaded and unloaded and whenever the animal cargo space is otherwise accessible to determine whether such unattended live animals need veterinary care, and the carrier shall provide any needed veterinary care as soon as possible. No polar bear in need of veterinary care shall be transported in commerce, unless such transportation is for the purpose of obtaining such care.

(e) Wild or otherwise dangerous marine mammals shall not be taken from their primary enclosure except under extreme emergency conditions and then only by their trainer or other person who is capable of handling such mammals safely.

[44 FR 36874, June 22, 1979, as amended at 49 FR 26686, June 28, 1984]

§ 3.117 Terminal facilities.

Carriers and intermediate handlers shall not commingle marine mammal shipments with inanimate cargo. All animal holding areas of a terminal facility of any carrier or intermediate handler wherein marine mammal shipments are maintained shall be cleaned and sanitized in a manner prescribed in § 3.107 of the standards often enough to prevent an accumulation of debris or excreta, to minimize vermin infestation, and to prevent a disease hazard. An effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained for all animal holding areas. Any animal holding area containing marine mammals shall be provided with fresh air by means of windows, door, vents, or air conditioning and may be ventilated or air circulated by means of fans, blowers, or an air conditioning system so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans and vents or fans or blowers or air conditioning shall be used for any animal holding area containing marine mammals when the air temperature within such animal holding area is 23.9° C. (75° F.) or higher. The air temperature around any marine mammal in any animal holding area shall not be allowed to fall below 7.2° C. (45° F.). The air temperature around any polar bear shall not be allowed to exceed 29.5° C. (85° F.) at any time and no polar bear shall be subjected to surrounding air temperatures which exceed 23.9° C. (75° F.) for more than 4 hours at any time. To ascertain compliance with the provisions of this paragraph, the air temperature around any marine mammal shall be measured and read outside the primary enclosure which contains such animal at a distance not to exceed .91 meters (3 feet) from any one of the external walls of the primary enclosure and on a level parallel to the bottom of such primary enclosure at a point which approximates half the distance between the top and bottom of such primary enclosure.

[44 FR 36874, June 22, 1979, as amended at 49 FR 26686, June 28, 1984]

§ 3.118 Handling.

(a) Carriers and intermediate handlers shall move marine mammals from the animal holding area of the terminal facility to the primary conveyance and from the primary conveyance to the animal holding area of the terminal facility as expeditiously as possible. Carriers and intermediate handlers holding any marine mammal in an animal holding area of a terminal facility or in transporting any marine mammal from the animal holding area of the terminal facility to the primary conveyance and from the primary conveyance to the animal holding area of the terminal facility, including loading and unloading procedures, shall provide the following:

(1) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort, sufficient shade shall be

provided to protect the marine mammals from the direct rays of the sun and such marine mammals shall not be subjected to surrounding air temperatures which exceed 29.5° C. (85° F.), and which shall be measured and read in the manner prescribed in §3.117 of this part, for a period of more than 45 minutes.

(2) *Shelter from cold weather.* Transporting devices shall be covered to provide protection for marine mammals when the outdoor air temperature falls below 10° C. (50° F.) and such marine mammals shall not be subjected to surrounding air temperatures which fall below 7.2° C. (45° F.), and which shall be measured and read in the manner prescribed in §3.117 of this part, for a period of more than 45 minutes unless such animals are accompanied by a certificate of acclimation to lower temperatures as prescribed in §3.112(c).

(b) Care shall be exercised to avoid handling of the primary enclosure in such a manner that may cause physical or emotional trauma to the marine mammal contained therein.

(c) Primary enclosures used to transport any marine mammal shall not be tossed, dropped, or needlessly tilted and shall not be stacked in a manner which may reasonably be expected to result in their falling.

[44 FR 36874, June 22, 1979, as amended at 49 FR 26686, June 28, 1984]

Subpart F—Specifications for the Humane Handling, Care, Treatment, and Transportation of Warmblooded Animals Other Than Dogs, Cats, Rabbits, Hamsters, Guinea Pigs, Nonhuman Primates, and Marine Mammals

SOURCE: 36 FR 24925, Dec. 24, 1971, unless otherwise noted. Redesignated at 44 FR 36874, July 22, 1979.

FACILITIES AND OPERATING STANDARDS

§3.125 Facilities, general.

(a) *Structural strength.* The facility must be constructed of such material and of such strength as appropriate for the animals involved. The indoor and outdoor housing facilities shall be structurally sound and shall be maintained in good repair to protect the animals from injury and to contain the animals.

(b) *Water and power.* Reliable and adequate electric power, if required to comply with other provisions of this subpart, and adequate potable water shall be available on the premises.

(c) *Storage.* Supplies of food and bedding shall be stored in facilities which adequately protect such supplies against deterioration, molding, or contamination by vermin. Refrigeration shall be provided for supplies of perishable food.

(d) *Waste disposal.* Provision shall be made for the removal and disposal of animal and food wastes, bedding, dead animals, trash and debris. Disposal facilities shall be so provided and operated as to minimize vermin infestation, odors, and disease hazards. The disposal facilities and any disposal of animal and food wastes, bedding, dead animals, trash, and debris shall comply with applicable Federal, State, and local laws and regulations relating to pollution control or the protection of the environment.

(e) *Washroom and sinks.* Facilities, such as washrooms, basins, showers, or sinks, shall be provided to maintain cleanliness among animal caretakers.

[36 FR 24925, Dec. 24, 1971. Redesignated at 44 FR 36874, June 22, 1979, and amended at 44 FR 63492, Nov. 2, 1979]

§3.126 Facilities, indoor.

(a) *Ambient temperatures.* Temperature in indoor housing facilities shall be sufficiently regulated by heating or cooling to protect the animals from the extremes of temperature, to provide for their health and to prevent their discomfort. The ambient temperature shall not be allowed to fall below nor rise above temperatures compatible with the health and comfort of the animal.

(b) *Ventilation.* Indoor housing facilities shall be adequately ventilated by natural or mechanical means to provide for the health and to prevent discomfort of the animals at all times. Such facilities shall be provided with fresh air either by means of windows, doors, vents, fans, or air-conditioning

and shall be ventilated so as to minimize drafts, odors, and moisture condensation.

(c) *Lighting.* Indoor housing facilities shall have ample lighting, by natural or artificial means, or both, of good quality, distribution, and duration as appropriate for the species involved. Such lighting shall be uniformly distributed and of sufficient intensity to permit routine inspection and cleaning. Lighting of primary enclosures shall be designed to protect the animals from excessive illumination.

(d) *Drainage.* A suitable sanitary method shall be provided to eliminate rapidly, excess water from indoor housing facilities. If drains are used, they shall be properly constructed and kept in good repair to avoid foul odors and installed so as to prevent any backup of sewage. The method of drainage shall comply with applicable Federal, State, and local laws and regulations relating to pollution control or the protection of the environment.

§ 3.127 Facilities, outdoor.

(a) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort of the animals, sufficient shade by natural or artificial means shall be provided to allow all animals kept outdoors to protect themselves from direct sunlight.

(b) *Shelter from inclement weather.* Natural or artificial shelter appropriate to the local climatic conditions for the species concerned shall be provided for all animals kept outdoors to afford them protection and to prevent discomfort to such animals. Individual animals shall be acclimated before they are exposed to the extremes of the individual climate.

(c) *Drainage.* A suitable method shall be provided to rapidly eliminate excess water. The method of drainage shall comply with applicable Federal, State, and local laws and regulations relating to pollution control or the protection of the environment.

(d) *Perimeter fence.* On or after May 17, 2000, all outdoor housing facilities (*i.e.*, facilities not entirely indoors) must be enclosed by a perimeter fence that is of sufficient height to keep animals and unauthorized persons out. Fences less than 8 feet high for potentially dangerous animals, such as, but not limited to, large felines (*e.g.*, lions, tigers, leopards, cougars, bobcats, etc.), bears, wolves, rhinoceros, and elephants, or less than 6 feet high for other animals must be approved in writing by the Administrator. The fence must be constructed so that it protects the animals in the facility by restricting animals and unauthorized persons from going through it or under it and having contact with the animals in the facility, and so that it can function as a secondary containment system for the animals in the facility. It must be of sufficient distance from the outside of the primary enclosure to prevent physical contact between animals inside the enclosure and animals or persons outside the perimeter fence. Such fences less than 3 feet in distance from the primary enclosure must be approved in writing by the Administrator. A perimeter fence is not required:

(1) Where the outside walls of the primary enclosure are made of sturdy, durable material, which may include certain types of concrete, wood, plastic, metal, or glass, and are high enough and constructed in a manner that restricts entry by animals and unauthorized persons and the Administrator gives written approval; or

(2) Where the outdoor housing facility is protected by an effective natural barrier that restricts the animals to the facility and restricts entry by animals and unauthorized persons and the Administrator gives written approval; or

(3) Where appropriate alternative security measures are employed and the Administrator gives written approval; or

(4) For traveling facilities where appropriate alternative security measures are employed; or

(5) Where the outdoor housing facility houses only farm animals, such as, but not limited to, cows, sheep, goats, pigs, horses (for regulated purposes), or donkeys, and the facility has in place effective and customary containment and security measures.

[36 FR 24925, Dec. 24, 1971. Redesignated at 44 FR 36874, July 22, 1979, as amended at 64 FR 56147, Oct. 18, 1999]

§ 3.128 Space requirements.

Enclosures shall be constructed and maintained so as to provide sufficient space to allow each animal to make normal postural and social adjustments with adequate freedom of movement. Inadequate space may be indicated by evidence of malnutrition, poor condition, debility, stress, or abnormal behavior patterns.

ANIMAL HEALTH AND HUSBANDRY STANDARDS

§ 3.129 Feeding.

(a) The food shall be wholesome, palatable, and free from contamination and of sufficient quantity and nutritive value to maintain all animals in good health. The diet shall be prepared with consideration for the age, species, condition, size, and type of the animal. Animals shall be fed at least once a day except as dictated by hibernation, veterinary treatment, normal fasts, or other professionally accepted practices.

(b) Food, and food receptacles, if used, shall be sufficient in quantity and located so as to be accessible to all animals in the enclosure and shall be placed so as to minimize contamination. Food receptacles shall be kept clean and sanitary at all times. If self-feeders are used, adequate measures shall be taken to prevent molding, contamination, and deterioration or caking of food.

§ 3.130 Watering.

If potable water is not accessible to the animals at all times, it must be provided as often as necessary for the health and comfort of the animal. Frequency of watering shall consider age, species, condition, size, and type of the animal. All water receptacles shall be kept clean and sanitary.

§ 3.131 Sanitation.

(a) *Cleaning of enclosures.* Excreta shall be removed from primary enclosures as often as necessary to prevent contamination of the animals contained therein and to minimize disease hazards and to reduce odors. When enclosures are cleaned by hosing or flushing, adequate measures shall be taken to protect the animals confined in such enclosures from being directly sprayed with the stream of water or wetted involuntarily.

(b) *Sanitation of enclosures.* Subsequent to the presence of an animal with an infectious or transmissible disease, cages, rooms, and hard-surfaced pens or runs shall be sanitized either by washing them with hot water (180 F. at source) and soap or detergent, as in a mechanical washer, or by washing all soiled surfaces with a detergent solution followed by a safe and effective disinfectant, or by cleaning all soiled surfaces with saturated live steam under pressure. Pens or runs using gravel, sand, or dirt, shall be sanitized when necessary as directed by the attending veterinarian.

(c) *Housekeeping.* Premises (buildings and grounds) shall be kept clean and in good repair in order to protect the animals from injury and to facilitate the prescribed husbandry practices set forth in this subpart. Accumulations of trash shall be placed in designated areas and cleared as necessary to protect the health of the animals.

(d) *Pest control.* A safe and effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained.

§ 3.132 Employees.

A sufficient number of adequately trained employees shall be utilized to maintain the professionally acceptable level of husbandry practices set forth in this subpart. Such practices shall be under a supervisor who has a background in animal care.

§ 3.133 Separation.

Animals housed in the same primary enclosure must be compatible. Animals shall not be housed near animals that interfere with their health or cause them discomfort.

§§ 3.134—3.135 [Reserved]

TRANSPORTATION STANDARDS

SOURCE: Sections 3.136 through 3.142 appear at 42 FR 31569, June 21, 1977, unless otherwise noted. Redesignated at 44 FR 36874, July 22, 1979.

§ 3.136 Consignments to carriers and intermediate handlers.

(a) Carriers and intermediate handlers shall not accept any live animals presented by any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government for shipment, in commerce, more than 4 hours prior to the scheduled departure of the primary conveyance on which it is to be transported: *Provided, however,* That the carrier or intermediate handler and any dealer, research facility, exhibitor, operator of an auction sale, or other person, or any department, agency, or instrumentality of the United States or any State or local government may mutually agree to extend the time of acceptance to not more than 6 hours if specific prior scheduling of the animal shipment to destination has been made.

(b) Any carrier or intermediate handler shall only accept for transportation or transport, in commerce, any live animal in a primary enclosure which conforms to the requirements set forth in § 3.137 of the standards: *Provided, however,* That any carrier or intermediate handler may accept for transportation or transport, in commerce, any live animal consigned by any department, agency, or instrumentality of the United States having laboratory animal facilities or exhibiting animals or any licensed or registered dealer, research facility, exhibitor, or operator of an auction sale if the consignor furnishes to the carrier or intermediate handler a certificate, signed by the consignor, stating that the primary enclosure complies with § 3.137 of the standards, unless such primary enclosure is obviously defective or damaged and it is apparent that it cannot reasonably be expected to contain the live animal without causing suffering or injury to such live animal. A copy of such certificate shall accompany the shipment to destination. The certificate shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of animals in the primary enclosure(s);

(3) A certifying statement (e.g., ''I hereby certify that the ——— (number) primary enclosure(s) which are used to transport the animal(s) in this shipment complies (comply) with USDA standards for primary enclosures (9 CFR part 3).''); and

(4) The signature of the consignor, and date.

(c) Carriers or intermediate handlers whose facilities fail to meet the minimum temperature allowed by the standards may accept for transportation or transport, in commerce, any live animal consigned by any department, agency, or instrumentality of the United States or of any State or local government, or by any person (including any licensee or registrant under the Act, as well as any private individual) if the consignor furnishes to the carrier or intermediate handler a certificate executed by a veterinarian accredited by this Department pursuant to part 160 of this title on a specified date which shall not be more than 10 days prior to delivery of such animal for transportation in commerce, stating that such live animal is acclimated to air temperatures lower than those prescribed in §§ 3.141 and 3.142. A copy of such certificate shall accompany the shipment to destination. The certificate shall include at least the following information:

(1) Name and address of the consignor;

(2) The number of animals in the shipment;

(3) A certifying statement (e.g., ''I hereby certify that the animal(s) in this shipment is (are), to the best of my knowledge, acclimated to air temperatures lower than 7.2° C. (45° F.)''); and

(4) The signature of the USDA accredited veterinarian, assigned accrediation number, and date.

(d) Carriers and intermediate handlers shall attempt to notify the consignee at least once in every 6 hour period following the arrival of any live animals at the animal holding area of the terminal cargo facility. The time, date, and method of each attempted notification and the final notification to the consignee and the name of the person notifying the consignee shall be recorded on the copy of the shipping

document retained by the carrier or intermediate handler and on a copy of the shipping document accompanying the animal shipment.

[42 FR 31569, June 21, 1977, as amended at 43 FR 21166, May 16, 1978. Redesignated at 44 FR 36874, July 22, 1979, and amended at 44 FR 63493, Nov. 2, 1979]

§3.137 Primary enclosures used to transport live animals.

No dealer, research facility, exhibitor, or operator of an auction sale shall offer for transportation or transport, in commerce, any live animal in a primary enclosure which does not conform to the following requirements:

(a) Primary enclosures, such as compartments, transport cages, cartons, or crates, used to transport live animals shall be constructed in such a manner that (1) the structural strength of the enclosure shall be sufficient to contain the live animals and to withstand the normal rigors of transportation; (2) the interior of the enclosure shall be free from any protrusions that could be injurious to the live animals contained therein; (3) the openings of such enclosures are easily accessible at all times for emergency removal of the live animals; (4) except as provided in paragraph (g) of this section, there are ventilation openings located on two opposite walls of the primary enclosure and the ventilation openings on each such wall shall be at least 16 percent of the total surface area of each such wall, or there are ventilation openings located on all four walls of the primary enclosure and the ventilation openings on each such wall shall be at least 8 percent of the total surface area of each such wall: *Provided, however,* That at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the lower one-half of the primary enclosure and at least one-third of the total minimum area required for ventilation of the primary enclosure shall be located on the upper one-half of the primary enclosure; (5) except as provided in paragraph (g) of this section, projecting rims or other devices shall be on the exterior of the outside walls with any ventilation openings to prevent obstruction of the ventilation openings and to provide a minimum air circulation space of 1.9 centimeters (.75 inch) between the primary enclosure and any adjacent cargo or conveyance wall; and (6) except as provided in paragraph (g) of this section, adequate handholds or other devices for lifting shall be provided on the exterior of the primary enclosure to enable the primary enclosure to be lifted without tilting and to ensure that the person handling the primary enclosure will not be in contact with the animal.

(b) Live animals transported in the same primary enclosure shall be of the same species and maintained in compatible groups. Live animals that have not reached puberty shall not be transported in the same primary enclosure with adult animals other than their dams. Socially dependent animals (e.g., sibling, dam, and other members of a family group) must be allowed visual and olfactory contact. Any female animal in season (estrus) shall not be transported in the same primary enclosure with any male animal.

(c) Primary enclosures used to transport live animals shall be large enough to ensure that each animal contained therein has sufficient space to turn about freely and to make normal postural adjustments: *Provided, however,* That certain species may be restricted in their movements according to professionally acceptable standards when such freedom of movement would constitute a danger to the animals, their handlers, or other persons.

(d) Primary enclosures used to transport live animals as provided in this section shall have solid bottoms to prevent leakage in shipment and still be cleaned and sanitized in a manner prescribed in §3.131 of the standards, if previously used. Such primary enclosures shall contain clean litter of a suitable absorbant material, which is safe and nontoxic to the live animals contained therein, in sufficient quantity to absorb and cover excreta, unless the animals are on wire or other nonsolid floors.

(e) Primary enclosures used to transport live animals, except where such primary enclosures are permanently affixed in the animal cargo space of the primary conveyance, shall be clearly marked on top and on one or more sides with the words ''Live Animal'' or

''Wild Animal'', whichever is appropriate, in letters not less than 2.5 centimeters (1 inch) in height, and with arrows or other markings to indicate the correct upright position of the container.

(f) Documents accompanying the shipment shall be attached in an easily accessible manner to the outside of a primary enclosure which is part of such shipment.

(g) When a primary enclosure is permanently affixed within the animal cargo space of the primary conveyance so that the front opening is the only source of ventilation for such primary enclosure, the front opening shall open directly to the outside or to an unobstructed aisle or passageway within the primary conveyance. Such front ventilation opening shall be at least 90 percent of the total surface area of the front wall of the primary enclosure and covered with bars, wire mesh or smooth expanded metal.

[42 FR 31569, June 21, 1977, as amended at 43 FR 21166, May 16, 1978. Redesignated at 44 FR 36874, July 22, 1979]

§ 3.138 Primary conveyances (motor vehicle, rail, air, and marine).

(a) The animal cargo space of primary conveyances used in transporting live animals shall be designed and constructed to protect the health, and ensure the safety and comfort of the live animals contained therein at all times.

(b) The animal cargo space shall be constructed and maintained in a manner to prevent the ingress of engine exhaust fumes and gases from the primary conveyance during transportation in commerce.

(c) No live animal shall be placed in an animal cargo space that does not have a supply of air sufficient for normal breathing for each live animal contained therein, and the primary enclosures shall be positioned in the animal cargo space in such a manner that each live animal has access to sufficient air for normal breathing.

(d) Primary enclosures shall be positioned in the primary conveyance in such a manner that in an emergency the live animals can be removed from the primary conveyance as soon as possible.

(e) The interior of the animal cargo space shall be kept clean.

(f) Live animals shall not be transported with any material, substance (e.g., dry ice) or device which may reasonably be expected to be injurious to the health and well-being of the animals unless proper precaution is taken to prevent such injury.

§ 3.139 Food and water requirements.

(a) All live animals shall be offered potable water within 4 hours prior to being transported in commerce. Dealers, exhibitors, research facilities and operators of auction sales shall provide potable water to all live animals transported in their own primary conveyance at least every 12 hours after such transportation is initiated, and carriers and intermediate handlers shall provide potable water to all live animals at least every 12 hours after acceptance for transportation in commerce: *Provided, however,* That except as directed by hibernation, veterinary treatment or other professionally accepted practices, those live animals which, by common accepted practices, require watering more frequently shall be so watered.

(b) Each live animal shall be fed at least once in each 24 hour period, except as directed by hibernation, veterinary treatment, normal fasts, or other professionally accepted practices. Those live animals which, by common accepted practice, require feeding more frequently shall be so fed.

(c) A sufficient quantity of food and water shall accompany the live animal to provide food and water for such animals for a period of at least 24 hours, except as directed by hibernation, veterinary treatment, normal fasts, and other professionally accepted practices.

(d) Any dealer, research facility, exhibitor or operator of an auction sale offering any live animal to any carrier or intermediate handler for transportation in commerce shall affix to the outside of the primary enclosure used for transporting such live animal, written instructions concerning the food and water requirements of such animal while being so transported.

(e) No carrier or intermediate handler shall accept any live animals for

transportation in commerce unless written instructions concerning the food and water requirements of such animal while being so transported is affixed to the outside of its primary enclosure.

§3.140 Care in transit.

(a) During surface transportation, it shall be the responsibility of the driver or other employee to visually observe the live animals as frequently as circumstances may dictate, but not less than once every 4 hours, to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any of the live animals are in obvious physical distress and to provide any needed veterinary care as soon as possible. When transported by air, live animals shall be visually observed by the carrier as frequently as circumstances may dictate, but not less than once every 4 hours, if the animal cargo space is accessible during flight. If the animal cargo space is not accessible during flight, the carrier shall visually observe the live animals whenever loaded and unloaded and whenever the animal cargo space is otherwise accessible to assure that they are receiving sufficient air for normal breathing, their ambient temperatures are within the prescribed limits, all other applicable standards are being complied with and to determine whether any such live animals are in obvious physical distress. The carrier shall provide any needed veterinary care as soon as possible. No animal in obvious physical distress shall be transported in commerce.

(b) Wild or otherwise dangerous animals shall not be taken from their primary enclosure except under extreme emergency conditions: *Provided, however,* That a temporary primary enclosure may be used, if available, and such temporary primary enclosure is structurally strong enough to prevent the escape of the animal. During the course of transportation, in commerce, live animals shall not be removed from their primary enclosures unless placed in other primary enclosures or facilities conforming to the requirements provided in this subpart.

§3.141 Terminal facilities.

Carriers and intermediate handlers shall not commingle live animal shipments with inanimate cargo. All animal holding areas of a terminal facility of any carrier or intermediate handler wherein live animal shipments are maintained shall be cleaned and sanitized in a manner prescribed in §3.141 of the standards often enough to prevent an accumulation of debris or excreta, to minimize vermin infestation and to prevent a disease hazard. An effective program for the control of insects, ectoparasites, and avian and mammalian pests shall be established and maintained for all animal holding areas. Any animal holding area containing live animals shall be provided with fresh air by means of windows, doors vents, or air conditioning and may be ventilated or air circulated by means of fans, blowers, or an air conditioning system so as to minimize drafts, odors, and moisture condensation. Auxiliary ventilation, such as exhaust fans and vents or fans or blowers or air conditioning shall be used for any animal holding area containing live animals when the air temperature within such animal holding area is 23.9°C. (75.°F.) or higher. The air temperature around any live animal in any animal holding area shall not be allowed to fall below 7.2°C. (45°F.) nor be allowed to exceed 29.5°C. (85°F.) at any time: *Provided, however,* That no live animal shall be subjected to surrounding air temperatures which exceed 23.9°C. (75°F.) for more than 4 hours at any time. To ascertain compliance with the provisions of this paragraph, the air temperature around any live animal shall be measured and read outside the primary enclosure which contains such animal at a distance not to exceed .91 meters (3 feet) from any one of the external walls of the primary enclosure and on a level parallel to the bottom of such primary enclosure at a point which approximates half the distance between the top and bottom of such primary enclosure.

[43 FR 56217, Dec. 1, 1978. Redesignated at 44 FR 36874, July 22, 1979]

§ 3.142 Handling.

(a) Carriers and intermediate handlers shall move live animals from the animal holding area of the terminal facility to the primary conveyance and from the primary conveyance to the animal holding area of the terminal facility as expeditiously as possible. Carriers and intermediate handlers holding any live animal in an animal holding area of a terminal facility or in transporting any live animal from the animal holding area of the terminal facility to the primary conveyance and from the primary conveyance to the animal holding area of the terminal facility, including loading and unloading procedures, shall provide the following:

(1) *Shelter from sunlight.* When sunlight is likely to cause overheating or discomfort, sufficient shade shall be provided to protect the live animals from the direct rays of the sun and such live animals shall not be subjected to surrounding air temperatures which exceed 29.5°C. (85°F.), and which shall be measured and read in the manner prescribed in §3.141 of this part, for a period of more than 45 minutes.

(2) *Shelter from rain or snow.* Live animals shall be provided protection to allow them to remain dry during rain or snow.

(3) *Shelter from cold weather.* Transporting devices shall be covered to provide protection for live animals when the outdoor air temperature falls below 10°C. (50°F.) and such live animals shall not be subjected to surrounding air temperatures which fall below 7.2°C. (45°F.), and which shall be measured and read in the manner prescribed in §3.141 of this part, for a period of more than 45 minutes unless such animals are accompanied by a certificate of acclimation to lower temperatures as prescribed in §3.136(c).

(b) Care shall be exercised to avoid handling of the primary enclosure in such a manner that may cause physical or emotional trauma to the live animal contained therein.

(c) Primary enclosures used to transport any live animal shall not be tossed, dropped, or needlessly tilted and shall not be stacked in a manner which may reasonably be expected to result in their falling.

[43 FR 21167, May 16, 1978, as amended at 43 FR 56217, Dec. 1, 1978. Redesignated at 44 FR 36874, July 22, 1979]

PART 4—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER THE ANIMAL WELFARE ACT

Subpart A—General

Sec.

4.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

4.10 Summary action.
4.11 Stipulations.

AUTHORITY: 80 Stat. 353; 7 U.S.C. 2151.

SOURCE: 42 FR 10959, Feb. 25, 1977, unless otherwise noted.

Subpart A—General

§ 4.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under section 19 of the Animal Welfare Act (7 U.S.C. 2149). In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 4.10 Summary action.

(a) In any situation where the Administrator has reason to believe that any person licensed under the Act has violated or is violating any provision of the Act, or the regulations or standards issued thereunder, and he deems it warranted under the circumstances, the Administrator may suspend such person's license temporarily, for a period not to exceed 21 days, effective, except as provided in §4.10(b), upon written notification given to such person of the suspension of his license pursuant to §1.147(b) of the Uniform Rules of Practice (7 CFR 1.147(b)).

(b) In any case of actual or threatened physical harm to animals in violation of the Act, or the regulations or standards issued thereunder, by a person licensed under the Act, the Administrator may suspend such person's license temporarily, for a period not to exceed 21 days, effective upon oral or written notification, whichever is earlier. In the event of oral notification, a written confirmation thereof shall be given to such person pursuant to §1.147(b) of the Uniform Rules of Practice (7 CFR 1.147(b)) as promptly as circumstances permit.

(c) The temporary suspension of a license shall be in addition to any sanction which may be imposed against said person by the Secretary pursuant to the Act after notice and opportunity for hearing.

§4.11 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under the Act, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administrator gives notice of an apparent violation of the Act, or the regulations or standards issued thereunder, by such person and affords such person an opportunity for a hearing regarding the matter as provided by the Act;

(2) Such person expressly waives hearing and agrees to pay a specified penalty within a designated time; and

(3) The Administrator agrees to accept the specified penalty in settlement of the particular matter involved if it is paid within the designated time.

(b) If the specified penalty is not paid within the time designated in such a stipulation, the amount of the stipulated penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

PART 11—HORSE PROTECTION REGULATIONS

Sec.

11.1 Definitions.
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11.41 Reporting required of horse industry organizations or associations.

AUTHORITY: 15 U.S.C. 1823, 1824, 1825, and 1828; 44 U.S.C. 3506.

SOURCE: 44 FR 25179, Apr. 27, 1979, unless otherwise noted.

§11.1 Definitions.

For the purpose of this part, unless the context otherwise requires, the following terms shall have the meanings assigned to them in this section. The singular form shall also impart the plural and the masculine form shall also impart the feminine. Words of art undefined in the following paragraphs shall have the meaning attributed to them by trade usage or general usage as reflected by definition in a standard dictionary, such as ''Webster's.''

Act means the Horse Protection Act of 1970 (Pub. L. 91–540) as amended by the Horse Protection Act Amendments of 1976 (Pub. L. 94–360), 15 U.S.C. 1821 *et seq.*, and any legislation amendatory thereof.

Action Device means any boot, collar, chain, roller, or other device which encircles or is placed upon the lower extremity of the leg of a horse in such a manner that it can either rotate around the leg, or slide up and down the leg so as to cause friction, or which can strike the hoof, coronet band or fetlock joint.

Administrator means the Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service (APHIS) means the Animal and Plant Health Inspection Service of the United States Department of Agriculture.

APHIS representative means any employee of APHIS, or any officer or employee of any State agency who is authorized by the Administrator to perform inspections or any other functions authorized by the Act, including the inspection of the records of any horse show, horse exhibition, horse sale or horse auction.

APHIS Show Veterinarian means the APHIS Doctor of Veterinary Medicine responsible for the immediate supervision and conduct of the Department's activities under the Act at any horse show, horse exhibition, horse sale or horse auction.

Department means the United States Department of Agriculture.

Designated Qualified Person or *DQP* means a person meeting the requirements specified in §11.7 of this part who has been licensed as a DQP by a horse industry organization or association having a DQP program certified by the Department and who may be appointed and delegated authority by the management of any horse show, horse exhibition, horse sale or horse auction under section 4 of the Act to detect or diagnose horses which are sore or to otherwise inspect horses and any records pertaining to such horses for the purposes of enforcing the Act.

Exhibitor means (1) any person who enters any horse, any person who allows his horse to be entered, or any person who directs or allows any horse in his custody or under his direction, control or supervision to be entered in any horse show or horse exhibition; (2) any person who shows or exhibits any horse, any person who allows his horse to be shown or exhibited, or any person who directs or allows any horse in his custody or under his direction, control, or supervision to be shown or exhibited in any horse show or horse exhibition; (3) any person who enters or presents any horse for sale or auction, any person who allows his horse to be entered or presented for sale or auction, or any person who allows any horse in his custody or under his direction, control, or supervision to be entered or presented for sale or auction in any horse sale or horse auction; or (4) any person who sells or auctions any horse, any person who allows his horse to be sold or auctioned, or any person who directs or allows any horse in his custody or under his direction, control, or supervision to be sold or auctioned.

Horse means any member of the species *Equus caballus.*

Horse Exhibition means a public display of any horses, singly or in groups, but not in competition, except events where speed is the prime factor, rodeo events, parades, or trail rides.

Horse Industry Organization or Association means an organized group of people, having a formal structure, who are engaged in the promotion of horses through the showing, exhibiting, sale, auction, registry, or any activity which contributes to the advancement of the horse.

Horse Sale or Horse Auction means any event, public or private, at which horses are sold or auctioned, regardless of whether or not said horses are exhibited prior to or during the sale or auction.

Horse Show means a public display of any horses, in competition, except events where speed is the prime factor, rodeo events, parades, or trail rides.

Inspection means the examination of any horse and any records pertaining to any horse by use of whatever means are deemed appropriate and necessary for the purpose of determining compliance with the Act and regulations. Such inspection may include, but is not limited to, visual examination of a horse and records, actual physical examination of a horse including touching, rubbing, palpating and observation of vital signs, and the use of any diagnostic device or instrument, and may require the removal of any shoe, pad, action device, or any other equipment, substance or paraphernalia from the horse when deemed necessary by the person conducting such inspection.

Lubricant means mineral oil, glycerine or petrolatum, or mixtures exclusively thereof, that is applied to the limbs of a horse solely for protective and lubricating purposes while the horse is being shown or exhibited at a horse show, horse exhibition, horse sale or horse auction.

Management means any person or persons who organize, exercise control over, or administer or are responsible

for organizing, directing, or administering any horse show, horse exhibition, horse sale or horse auction and specifically includes, but is not limited to, the sponsoring organization and show manager.

Person means any individual, corporation, company, association, firm, partnership, society, organization, joint stock company, or other legal entity.

Regional Director means the APHIS veterinarian who is assigned by the Administrator to supervise and perform official duties of APHIS under the Act in a specified State or States.[1]

Secretary means the Secretary of Agriculture or anyone who has heretofore or may hereafter be delegated authority to act in his stead.

Show Manager means the person who has been delegated primary authority by a sponsoring organization for managing a horse show, horse exhibition, horse sale or horse auction.

Sore when used to describe a horse means:

(1) An irritating or blistering agent has been applied, internally or externally by a person to any limb of a horse,

(2) Any burn, cut, or laceration has been inflicted by a person on any limb of a horse,

(3) Any tack, nail, screw, or chemical agent has been injected by a person into or used by a person on any limb of a horse, or

(4) Any other substance or device has been used by a person on any limb of a horse or a person has engaged in a practice involving a horse, and, as a result of such application, infliction, injection, use, or practice, such horse suffers, or can reasonably be expected to suffer, physical pain or distress, inflammation, or lameness when walking, trotting, or otherwise moving, except that such term does not include such an application, infliction, injection, use, or practice in connection with the therapeutic treatment of a horse by or under the supervision of a person licensed to practice veterinary medicine in the State in which such treatment was given.

Sponsoring Organization means any person under whose immediate auspices and responsibility a horse show, horse exhibition, horse sale, or horse auction is conducted.

State means any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, or the Trust Territory of the Pacific Islands.

[44 FR 1561, Jan. 5, 1979, as amended at 53 FR 14782, Apr. 26, 1988; 53 FR 28372, July 28, 1988; 56 FR 13749, Apr. 4, 1991; 59 FR 67612, Dec. 30, 1994; 63 FR 62927, Nov. 10, 1998]

§ 11.2 Prohibitions concerning exhibitors.

(a) *General prohibitions.* Notwithstanding the provisions of paragraph (b) of this section, no chain, boot, roller, collar, action device, nor any other device, method, practice, or substance shall be used with respect to any horse at any horse show, horse exhibition, or horse sale or auction if such use causes or can reasonably be expected to cause such horse to be sore.

(b) *Specific prohibitions.* The use of any of the following devices, equipment, or practices on any horse at any horse show, horse exhibition, or horse sale or auction is prohibited:

(1) All beads, bangles, rollers, and similar devices, with the exception of rollers made of lignum vitae (hardwood), aluminum, or stainless steel, with individual rollers of uniform size, weight and configuration, provided each such device may not weigh more than 6 ounces, including the weight of the fastener.

(2) Chains weighing more than 6 ounces each, including the weight of the fastener.

(3) Chains with links that are not of uniform size, weight and configuration; and, chains that have twisted links or double links.

(4) Chains that have drop links on any horse that is being ridden, worked on a lead, or otherwise worked out or moved about.

(5) More than one action device on any one limb of a horse.

[1] Information as to the name and address of the Regional Director for the State or States concerned can be obtained by writing to the Animal and Plant Health Inspection Service, Animal Care, 4700 River Road Unit 84, Riverdale, MD 20737–1234.

(6) Chains or lignum vitae, stainless steel, or aluminum rollers which are not smooth and free of protrusions, projections, rust, corrosion, or rough or sharp edges.

(7)(i) Boots, collars, or any other devices, with protrusions or swellings, or rigid, rough, or sharp edges, seams or any other abrasive or abusive surface that may contact a horse's leg; and

(ii) Boots, collars, or any other devices that weigh more than 6 ounces, except for soft rubber or soft leather bell boots and quarter boots that are used as protective devices.

(8) Pads or other devices on yearling horses (horses up to 2 years old) that elevate or change the angle of such horses' hooves in excess of 1 inch at the heel.

(9) Any weight on yearling horses, except a keg or similar conventional horseshoe, and any horseshoe on yearling horses that weighs more than 16 ounces.

(10) Artificial extension of the toe length, whether accomplsihed with pads, acrylics or any other material or combinations thereof, that exceeds 50 percent of the natural hoof length, as measured from the coronet band, at the center of the front pastern along the front of the hoof wall, to the distal portion of the hoof wall at the tip of the toe. The artificial extension shall be measured from the distal portion of the hoof wall at the tip of the toe at a 90 degree angle to the proximal (foot/hoof) surface of the shoe.

(11) Toe length that does not exceed the height of the heel by 1 inch or more. The length of the toe shall be measured from the coronet band, at the center of the front pastern along the front of the hoof wall to the ground. The heel shall be measured from the coronet band, at the most lateral portion of the rear pastern, at a 90 degree angle to the ground, not including normal caulks at the rear of a horseshoe that do not exceed ¾ inch in length. That portion of caulk at the rear of a horseshoe in excess of ¾ of an inch shall be added to the height of the heel in determining the heel/toe ratio.

(12) Pads that are not made of leather, plastic, or a similar pliant material.

(13) Any object or material inserted between the pad and the hoof other than acceptable hoof packing, which includes pine tar, oakum, live rubber, sponge rubber, silicone, commercial hoof packing or other substances used to maintain adequate frog pressure or sole consistency.

(14) Single or double rocker-bars on the bottom surface of horseshoes which extend more than 1½ inches back from the point of the toe, or which would cause, or could reasonably be expected to cause, an unsteadiness of stance in the horse with resulting muscle and tendon strain due to the horse's weight and balance being focused upon a small fulcrum point.[2]

(15) Metal hoof bands, such as used to anchor or strengthen pads and shoes, placed less than ½ inch below the coronet band.

(16) Metal hoof bands that can be easily and quickly loosened or tightened by hand, by means such as, but not limited to, a wing-nut or similar fastener.

(17) Any action device or any other device that strikes the coronet band of the foot of a horse except for soft rubber or soft leather bell boots that are used as protective devices.

(18) Shoeing a horse, or trimming a horse's hoof in a manner that will cause such horse to suffer, or can reasonably be expected to cause such horse to suffer pain or distress, inflammation, or lameness when walking, trotting, or otherwise moving.

(19) Lead or other weights attached to the outside of the hoof wall, the outside surface of the horseshoe, or any portion of the pad except the bottom surface within the horseshoe. Pads may not be hollowed out for the purpose of inserting or affixing weights, and weights may not extend below the bearing surface of the shoe. Hollow shoes or artificial extensions filled

[2] This prohibition is not intended to disallow corrective devices, such as Memphis bars which consist of a metal bar(s) crossing from the ground surface of one side of the horseshoe to the ground surface of the other side of the horseshoe, and the purpose of which is to correct a lameness or pathological condition of the foot: *Provided,* That such metal bar(s) do not act as a single fulcrum point so as to affect the balance of the horse.

with mercury or similar substances are prohibited.

(c) *Substances.* All substances are prohibited on the extremities above the hoof of any Tennessee Walking Horse or racking horse while being shown, exhibited, or offered for sale at any horse show, horse exhibition, or horse sale or auction, except lubricants such as glycerine, petrolatum, and mineral oil, or mixtures thereof: *Provided,* That:

(1) The horse show, horse exhibition, or horse sale or auction management agrees to furnish all such lubricants and to maintain control over them when used at the horse show, horse exhibition, or horse sale or auction.

(2) Any such lubricants shall be applied only after the horse has been inspected by management or by a DQP and shall only be applied under the supervision of the horse show, horse exhibition, or horse sale, or auction management.

(3) Horse show, horse exhibition, or horse sale or auction management makes such lubricants available to Department personnel for inspection and sampling as they deem necessary.

(d) *Competition restrictions—2 Year-Old Horses.* Horse show or horse exhibition workouts or performances of 2-year-old Tennessee Walking Horses and racking horses and working exhibitions of 2-year-old Tennessee Walking Horses and racking horses (horses eligible to be shown or exhibited in 2-year-old classes) at horse sales or horse auctions that exceed a total of 10 minutes continuous workout or performance without a minimum 5-minute rest period between the first such 10-minute period and the second such 10-minute period, and, more than two such 10-minute periods per performance, class, or workout are prohibited.

(e) *Information requirements—horse related.* Failing to provide information or providing any false or misleading information required by the Act or regulations or requested by Department representatives, by any person that owns, trains, shows, exhibits, or sells or has custody of, or direction or control over any horse shown, exhibited, sold, or auctioned or entered for the purpose of being shown, exhibited, sold, or auctioned at any horse show, horse exhibition, or horse sale or auction is prohibited. Such information shall include, but is not limited to: Information concerning the registered name, markings, sex, age, and legal ownership of the horse; the name and address of the horse's training and/or stabling facilities; the name and address of the owner, trainer, rider, any other exhibitor, or other legal entity bearing responsibility for the horse; the class in which the horse is entered or shown; the exhibitor identification number; and, any other information reasonably related to the identification, ownership, control, direction, or supervision of any such horse.

[44 FR 25179, Apr. 27, 1979, as amended at 53 FR 14782, Apr. 26, 1988, 53 FR 15641, May 2, 1988, 53 FR 28372, July 28, 1988, 53 FR 41562, Oct. 24, 1988, 53 FR 45854, Nov. 14, 1988; 54 FR 7178, Feb. 17, 1989]

§ 11.3 Scar rule.

The scar rule applies to all horses born on or after October 1, 1975. Horses subject to this rule that do not meet the following scar rule criteria shall be considered to be ''sore'' and are subject to all prohibitions of section 5 of the Act. The scar rule criteria are as follows:

(a) The anterior and anterior-lateral surfaces of the fore pasterns (extensor surface) must be free of bilateral granulomas,[5] other bilateral pathological evidence of inflammation, and, other bilateral evidence of abuse indicative of soring including, but not limited to, excessive loss of hair.

(b) The posterior surfaces of the pasterns (flexor surface), including the sulcus or ''pocket'' may show bilateral areas of uniformly thickened epithelial tissue if such areas are free of proliferating granuloma tissue, irritation, moisture, edema, or other evidence of inflammation.

[44 FR 25179, Apr. 27, 1979, as amended at 53 FR 14782, Apr. 26, 1988, 53 FR 28373, July 28, 1988]

[3–4] [Reserved]

[5] Granuloma is defined as any one of a rather large group of fairly distinctive focal lesions that are formed as a result of inflammatory reactions caused by biological, chemical, or physical agents.

§ 11.4 Inspection and detention of horses.

For the purpose of effective enforcement of the Act:

(a) Each horse owner, exhibitor, trainer, or other person having custody of, or responsibility for, any horse at any horse show, horse exhibition, or horse sale or auction, shall allow any APHIS representative to reasonably inspect such horse at all reasonable times and places the APHIS representative may designate. Such inspections may be required of any horse which is stabled, loaded on a trailer, being prepared for show, exhibition, or sale or auction, being exercised or otherwise on the grounds of, or present at, any horse show, horse exhibition, or horse sale or auction, whether or not such horse has or has not been shown, exhibited, or sold or auctioned, or has or has not been entered for the purpose of being shown or exhibited or offered for sale or auction at any such horse show, horse exhibition, or horse sale or auction. APHIS representatives will not generally or routinely delay or interrupt actual individual classes or performances at horse shows, horse exhibitions, or horse sales or auctions for the purpose of examining horses, but they may do so in extraordinary situations, such as but not limited to, lack of proper facilities for inspection, refusal of management to cooperate with Department inspection efforts, reason to believe that failure to immediately perform inspection may result in the loss, removal, or masking of any evidence of a violation of the Act or the regulations, or a request by management that such inspections be performed by an APHIS representative.

(b) When any APHIS representative notifies the owner, exhibitor, trainer, or other person having custody of or responsibility for a horse at any horse show, horse exhibition, or horse sale or auction that APHIS desires to inspect such horse, it shall not be moved from the horse show, horse exhibition, or horse sale or auction until such inspection has been completed and the horse has been released by an APHIS representative.

(c) For the purpose of examination, testing, or taking of evidence, APHIS representatives may detain for a period not to exceed 24 hours any horse, at any horse show, horse exhibition, or horse sale or auction, which is sore or which an APHIS veterinarian has probable cause to believe is sore. Such detained horse may be marked for identification and any such identifying markings shall not be removed by any person other than an APHIS representative.

(d) Detained horses shall be kept under the supervision of an APHIS representative or secured under an official USDA seal or seals in a horse stall, horse trailer, or other facility to which access shall be limited. It shall be the policy of APHIS to have at least one representative present in the immediate detention area when a horse is being held in detention. The official USDA seal or seals may not be broken or removed by any person other than an APHIS representative, unless:

(1) The life or well-being of the detained horse is immediately endangered by fire, flood, windstorm, or other dire circumstances that are beyond human control.

(2) The detained horse is in need of such immediate veterinary attention that its life may be in peril before an APHIS representative can be located.

(3) The horse has been detained for a maximum 24-hour detention period, and an APHIS representative is not available to release the horse.

(e) The owner, exhibitor, trainer, or other person having custody of or responsibility for any horse detained by APHIS for further examination, testing, or the taking of evidence shall be allowed to feed, water, and provide other normal custodial and maintenance care, such as walking, grooming, etc., for such detained horse: *Provided*, That:

(1) Such feeding, watering, and other normal custodial and maintenance care of the detained horse is rendered under the direct supervision of an APHIS representative.

(2) Any non-emergency veterinary care of the detained horse requiring the use, application, or injection of any drugs or other medication for therapeutic or other purposes is rendered by a Doctor of Veterinary Medicine in the presence of an APHIS representative and, the identity and dosage of the

drug or other medication used, applied, or injected and its purpose is furnished in writing to the APHIS representative prior to such use, application, or injection by the Doctor of Veterinary Medicine attending the horse. The use, application, or injection of such drug or other medication must be approved by the APHIS Show Veterinarian or his appointed representative.

(f) It shall be the policy of APHIS to inform the owner, trainer, exhibitor, or other person having immediate custody of or responsibility for any horse allegedly found to be in violation of the Act or the regulations of such alleged violation or violations before the horse is released by an APHIS representative.

(g) The owner, trainer, exhibitor, or other person having immediate custody of or responsibility for any horse or horses that an APHIS representative determines shall be detained for examination, testing, or taking of evidence pursuant to paragraph (e) of this section shall be informed after such determination is made and shall allow said horse to be immediately put under the supervisory custody of APHIS or secured under official USDA seal as provided in paragraph (d) of this section until the completion of such examination, testing, or gathering of evidence, or until the 24-hour detention period expires.

(h) The owner, trainer, exhibitor, or other person having custody of or responsibility for any horse allegedly found to be in violation of the Act or regulations, and who has been notified of such alleged violation by an APHIS representative as stated in paragraph (f) of this section, may request reexamination and testing of said horse within a 24-hour period: *Provided,* That:

(1) Such request is made to the APHIS Show Veterinarian immediately after the horse has been examined by APHIS representatives and before such horse has been removed from the APHIS inspection facilities; and

(2) The APHIS Show Veterinarian determines that sufficient cause for reexamination and testing exists; and

(3) The horse is maintained under APHIS supervisory custody as prescribed in paragraph (d) of this section until such reexamination and testing has been completed.

(i) The owner, exhibitor, trainer, or other person having custody of, or responsibility for any horse being inspected shall render such assistance as the APHIS representative may request for purposes of such inspection.

(ii) [Reserved]

[44 FR 25179, Apr. 27, 1979, as amended at 56 FR 13750, Apr. 4, 1991]

§ 11.5 Access to premises and records.

Requirements regarding access to premises for inspection of horses and records are as follows:

(a) *Management.* (1) The management of any horse show, horse exhibition, or horse sale or auction shall, without fee, charge, assessment, or other compensation, provide APHIS representatives with unlimited access to the grandstands, sale ring, barns, stables, grounds, offices, and all other areas of any horse show, horse exhibition, or horse sale or auction, including any adjacent areas under their direction, control, or supervision for the purpose of inspecting any horses, or any records required to be kept by regulation or otherwise maintained.

(2) The management of any horse show, horse exhibition, or horse sale or auction shall, without fee, charge, assessment, or other compensation, provide APHIS representatives with an adequate, safe, and accessible area for the visual inspection and observation of horses while such horses are competitively or otherwise performing at any horse show or horse exhibition, or while such horses are being sold or auctioned or offered for sale or auction at any horse sale or horse auction.

(b) *Exhibitors.* (1) Each horse owner, exhibitor, or other person having custody of or responsibility for any horse at any horse show, horse exhibition, or horse sale or auction shall, without fee, charge, assessment, or other compensation, admit any APHIS representative or Designated Qualified Person appointed by management, to all areas of barns, compounds, horse vans, horse trailers, stables, stalls, paddocks, or other show, exhibition, or sale or auction grounds or related areas at any horse show, horse exhibition, or horse sale or auction, for the purpose of inspecting any such horse at any and all reasonable times.

(2) Each owner, trainer, exhibitor, or other person having custody of or responsibility for, any horse at any horse show, horse exhibition, or horse sale or auction shall promptly present his horse for inspection upon notification, orally or in writing, by any APHIS representative or Designated Qualified Person appointed by management, that said horse has been selected for examination for the purpose of determining whether such horse is in compliance with the Act and regulations.

[44 FR 25179, Apr. 27, 1979, as amended at 56 FR 13750, Apr. 4, 1991]

§ 11.6 Inspection space and facility requirements.

The management of every horse show, horse exhibition, or horse sale or auction, containing Tennessee Walking Horses or racking horses, shall provide, without fee, sufficient space and facilities for APHIS representatives to carry out their duties under the Act and regulations at every horse show, horse exhibition, or horse sale or auction, containing Tennessee Walking Horses or racking horses, whether or not management has received prior notification or otherwise knows that such show may be inspected by APHIS. The management of every horse show, horse exhibition, horse sale or auction which does not contain Tennessee Walking Horses or racking horses shall provide, without fee, such sufficient space and facilities when requested to do so by APHIS representatives. With respect to such space and facilities, it shall be the responsibility of management to provide at least the following:

(a) Sufficient space in a convenient location to the horse show, horse exhibition, or horse sale or auction arena, acceptable to the APHIS Show Veterinarian, in which horses may be physically, thermographically, or otherwise inspected.

(b) Protection from the elements of nature, such as rain, snow, sleet, hail, windstorm, etc., if required by the APHIS Show Veterinarian.

(c) A means to control crowds or onlookers in order that APHIS personnel may carry out their duties without interference and with a reasonable measure of safety, if requested by the APHIS Show Veterinarian.

(d) An accessible, reliable, and convenient 110-volt electrical power source, if electrical service is available at the show, exhibition, or sale or auction site and is requested by the APHIS Show Veterinarian.

(e) An appropriate area adjacent to the inspection area for designated horses to wait for inspection, and an area to be used for detention of horses.

[44 FR 25181, Apr. 27, 1979, as amended at 56 FR 13750, Apr. 4, 1991]

§ 11.7 Certification and licensing of designated qualified persons (DQP's).

(a) *Basic qualifications of DQP applicants.* DQP's holding a valid, current DQP license issued in accordance with this part may be appointed by the management of any horse show, horse exhibition, horse sale, or horse auction, as qualified persons in accordance with section 4(c) of the Act, to inspect horses to detect or diagnose soring and to otherwise inspect horses, or any records pertaining to any horse for the purpose of enforcing the Act. Individuals who may be licensed as DQP's under this part shall be:

(1) Doctors of Veterinary Medicine who are accredited in any State by the United States Department of Agriculture under part 161 of chapter I, title 9 of the Code of Federal Regulations, and who are:

(i) Members of the American Association of Equine Practitioners, or

(ii) Large animal practitioners with substantial equine experience, or

(iii) Knowledgeable in the area of equine lameness as related to soring and soring practices (such as Doctors of Veterinary Medicine with a small animal practice who own, train, judge, or show horses, or Doctors of Veterinary Medicine who teach equine related subjects in an accredited college or school of veterinary medicine). Accredited Doctors of Veterinary Medicine who meet these criteria may be licensed as DQP's by a horse industry organization or association whose DQP program has been certified by the Department under this part without undergoing the formal training requirements set forth in this section.

(2) Farriers, horse trainers, and other knowledgeable horsemen whose past

experience and training would qualify them for positions as horse industry organization or association stewards or judges (or their equivalent) and who have been formally trained and licensed as DQP's by a horse industry organization or association whose DQP program has been certified by the Department in accordance with this section.

(b) *Certification requirements for DQP programs.* The Department will not license DQP's on an individual basis. Licensing of DQP's will be accomplished only through DQP programs certified by the Department and initiated and maintained by horse industry organizations or associations. Any horse industry organization or association desiring Department certification to train and license DQP's under the Act shall submit to the Administrator[6] a formal request in writing for certification of its DQP program and a detailed outline of such program for Department approval. Such outline shall include the organizational structure of such organization or association and the names of the officers or persons charged with the management of the organization or association. The outline shall also contain at least the following:

(1) The criteria to be used in selecting DQP candidates and the minimum qualifications and knowledge regarding horses each candidate must have in order to be admitted to the program.

(2) A copy of the formal training program, classroom and practical, required to be completed by each DQP candidate before being licensed by such horse industry organization or association, including the minimum number of hours, classroom and practical, and the subject matter of the training program. Such training program must meet the following minimum standards in order to be certified by the Department under the Act.

(i) Two hours of classroom instruction on the anatomy and physiology of the limbs of a horse. The instructor teaching the course must be specified, and a resume of said instructor's background, experience, and qualifications to teach such course shall be provided to the Administrator.[6]

(ii) Two hours of classroom instruction on the Horse Protection Act and regulations and their interpretation. Instructors for this course must be furnished or recommended by the Department. Requests for instructors to be furnished or recommended must be made to the Administrator[6] in writing at least 30 days prior to such course.

(iii) Four hours of classroom instruction on the history of soring, the physical examination procedures necessary to detect soring, the detection and diagnosis of soring, and related subjects. The instructor teaching the course must be specified and a summary of said instructor's background, experience, and qualifications to teach such course must be provided to the Administrator.[6]

(iv) Four hours of practical instruction in clinics and seminars utilizing live horses with actual application of the knowledge gained in the classroom subjects covered in paragraphs (b)(2)(i), (ii), and (iii) of this section. Methods and procedures required to perform a thorough and uniform examination of a horse shall be included. The names of the instructors and a resume of their background, academic and practical experience, and qualifications to present such instruction shall be provided to the Administrator.[6] Notification of the actual date, time, duration, subject matter, and geographic location of such clinics or seminars must be sent to the Administrator[6] at least 10 days prior to each such clinic or seminar.

(v) One hour of classroom instruction regarding the DQP standards of conduct promulgated by the licensing organization or association pursuant to paragraph (d)(7) of this section.

(vi) One hour of classroom instruction on recordkeeping and reporting requirements and procedures.

(3) A sample of a written examination which must be passed by DQP candidates for successful completion of the program along with sample answers and the scoring thereof, and proposed passing and failing standards.

[6] Animal and Plant Health Inspection Service, Animal Care, 4700 River Road, Unit 84, Riverdale, Maryland 20737–1234.

(4) The criteria to be used to determine the qualifications and performance abilities of DQP candidates selected for the training program and the criteria used to indicate successful completion of the training program, in addition to the written examination required in paragraph (b)(3) of this section.

(5) The criteria and schedule for a continuing education program and the criteria and methods of monitoring and appraising performance for continued licensing of DQP's by such organization or association. A continuing education program for DQP's shall consist of not less than 4 hours of instruction per year.

(6) Procedures for monitoring horses in the unloading, preparation, warmup, and barn areas, or other such areas. Such monitoring may include any horse that is stabled, loaded on a trailer, being prepared for show, exhibition, sale, or auction, or exercised, or that is otherwise on the grounds of, or present at, any horse show, horse exhibition, or horse sale or auction.

(7) The methods to be used to insure uniform interpretation and enforcement of the Horse Protection Act and regulations by DQP's and uniform procedures for inspecting horses for compliance with the Act and regulations;

(8) Standards of conduct for DQP's promulgated by the organization or association in accordance with paragraph (d)(7) of this section; and

(9) A formal request for Department certification of the DQP program.

The horse industry organizations or associations that have formally requested Department certification of their DQP training, enforcement, and maintenance program will receive a formal notice of certification from the Department, or the reasons, in writing, why certification of such program cannot be approved. A current list of certified DQP programs and licensed DQP's will be published in the FEDERAL REGISTER at least once each year, and as may be further required for the purpose of deleting programs and names of DQP's that are no longer certified or licensed, and of adding the names of programs and DQP's that have been certified or licensed subsequent to the publication of the previous list.

(c) *Licensing of DQP's.* Each horse industry organization or association receiving Department certification for the training and licensing of DQP's under the Act shall:

(1) Issue each DQP licensed by such horse industry organization or association a numbered identification card bearing the name and personal signature of the DQP, a picture of the DQP, and the name and address, including the street address or post office box and zip code, of the licensing organization or association;

(2) Submit a list to the Administrator[6] of names and addresses including street address or post office box and zip code, of all DQP's that have successfully completed the certified DQP program and have been licensed under the Act and regulations by such horse industry organization or association;

(3) Notify the Department of any additions or deletions of names of licensed DQP's from the licensed DQP list submitted to the Department or of any change in the address of any licensed DQP or any warnings and license revocations issued to any DQP licensed by such horse industry organization or association within 10 days of such change;

(4) Not license any person as a DQP if such person has been convicted of any violation of the Act or regulations occurring after July 13, 1976, or paid any fine or civil penalty in settlement of any proceeding regarding a violation of the Act or regulations occurring after July 13, 1976, for a period of at least 2 years following the first such violation, and for a period of at least 5 years following the second such violation and any subsequent violation;

(5) Not license any person as a DQP until such person has attended and worked two recognized or affiliated horse shows, horse exhibitions, horse sales, or horse auctions as an apprentice DQP and has demonstrated the ability, qualifications, knowledge and integrity required to satisfactorily execute the duties and responsibilities of a DQP;

(6) Not license any person as a DQP if such person has been disqualified by

[6] See footnote 6 to this section.

the Secretary from making detection, diagnosis, or inspection for the purpose of enforcing the Act, or if such person's DQP license is canceled by another horse industry organization or association.

(d) *Requirements to be met by DQP's and Licensing Organizations or Associations.* (1) Any licensed DQP appointed by the management of any horse show, horse exhibition, horse sale or auction to inspect horses for the purpose of detecting and determining or diagnosing horses which are sore and to otherwise inspect horses for the purpose of enforcing the Act and regulations, shall keep and maintain the following information and records concerning any horse which said DQP recommends be disqualified or excused for any reason at such horse show, horse exhibition, horse sale or auction, from being shown, exhibited, sold or auctioned, in a uniform format required by the horse industry organization or association that has licensed said DQP:

(i) The name and address, including street address or post office box and zip code, of the show and the show manager.

(ii) The name and address, including street address or post office box and zip code, of the horse owner.

(iii) The name and address, including street address or post office box and zip code, of the horse trainer.

(iv) The name and address, including street address or post office box and zip code, of the horse exhibitor.

(v) The exhibitors number and class number, or the sale or auction tag number of said horse.

(vi) The date and time of the inspection.

(vii) A detailed description of all of the DQP's findings and the nature of the alleged violation, or other reason for disqualifying or excusing the horse, including said DQP's statement regarding the evidence or facts upon which the decision to disqualify or excuse said horse was based.

(viii) The name, age, sex, color, and markings of the horse; and

(ix) The name or names of the show manager or other management representative notified by the DQP that such horse should be excused or disqualified and whether or not such manager or management representative excused or disqualified such horse.

Copies of the above records shall be submitted by the involved DQP to the horse industry organization or association that has licensed said DQP within 72 hours after the horse show, horse exhibition, horse sale, or horse auction is over.

(2) The DQP shall inform the custodian of each horse allegedly found in violation of the Act or its regulations, or disqualified or excused for any other reason, of such action and the specific reasons for such action.

(3) Each horse industry organization or association having a Department certified DQP program shall submit a report to the Department containing the following information, from records required in paragraph (d)(1) of this section and other available sources, to the Department on a monthly basis:

(i) The identity of all horse shows, horse exhibitions, horse sales, or horse auctions that have retained the services of DQP's licensed by said organization or association during the month covered by the report. Information concerning the identity of such horse shows, horse exhibitions, horse sales, or horse auctions shall include:

(A) The name and location of the show, exhibition, sale, or auction.

(B) The name and address of the manager.

(C) The date or dates of the show, exhibition, sale, or auction.

(ii) The identity of all horses at each horse show, horse exhibition, horse sale, or horse auction that the licensed DQP recommended be disqualified or excused for any reason. The information concerning the identity of such horses shall include:

(A) The registered name of each horse.

(B) The name and address of the owner, trainer, exhibitor, or other person having custody of or responsibility for the care of each such horse disqualified or excused.

(4) Each horse industry organization or association having a Department certified DQP program shall provide, by certified mail if personal service is not possible, to the trainer and owner of each horse allegedly found in violation of the Act or its regulations or

otherwise disqualified or excused for any reason, the following information;

(i) The name and date of the show, exhibition, sale, or auction.

(ii) The name of the horse and the reason why said horse was excused, disqualified, or alleged to be in violation of the Act or its regulations.

(5) Each horse industry organization or association having a Department certified DQP program shall provide each of its licensed DQP's with a current list of all persons that have been disqualified by order of the Secretary from showing or exhibiting any horse, or judging or managing any horse show, horse exhibition, horse sale, or horse auction. The Department will make such list available, on a current basis, to organizations and associations maintaining a certified DQP program.

(6) Each horse industry organization or association having a Department certified DQP program shall develop and provide a continuing education program for licensed DQP's which provides not less than 4 hours of instruction per year to each licensed DQP.

(7) Each horse industry organization or association having a Department certified DQP program shall promulgate standards of conduct for its DQP's, and shall provide administrative procedures within the organization or association for initiating, maintaining, and enforcing such standards. The procedures shall include the causes for and methods to be utilized for canceling the license of any DQP who fails to properly and adequately carry out his duties. Minimum standards of conduct for DQP's shall include the following;

(i) A DQP shall not exhibit any horse at any horse show or horse exhibition, or sell, auction, or pruchase any horse sold at a horse sale or horse auction at which he or she has been appointed to inspect horses;

(ii) A DQP shall not inspect horses at any horse show, horse exhibition, horse sale or horse auction in which a horse or horses owned by a member of the DQP's immediate family or the DQP's employer are competing or are being offered for sale;

(iii) A DQP shall follow the uniform inspection procedures of his certified organization or association when inspecting horses; and

(iv) The DQP shall immediately inform management of each case regarding any horse which, in his opinion, is in violation of the Act or regulations.

(e) *Prohibition of appointment of certain persons to perform duties under the Act.* The management of any horse show, horse exhibition, horse sale, or horse auction shall not appoint any person to detect and diagnose horses which are sore or to otherwise inspect horses for the purpose of enforcing the Act, if that person:

(1) Does not hold a valid, current DQP license issued by a horse industry organization or association having a DQP program certified by the Department.

(2) Has had his DQP license canceled by the licensing organization or association.

(3) Is disqualified by the Secretary from performing diagnosis, detection, and inspection under the Act, after notice and opportunity for a hearing,[7] when the Secretary finds that such person is unfit to perform such diagnosis, detection, or inspection because he has failed to perform his duties in accordance with the Act or regulations, or because he has been convicted of a violation of any provision of the Act or regulations occurring after July 13, 1976, or has paid any fine or civil penalty in settlement of any proceeding regarding a violation of the Act or regulations occurring after July 13, 1976.

(f) *Cancellation of DQP license.* (1) Each horse industry organization or association having a DQP program certified by the Department shall issue a written warning to any DQP whom it has licensed who violates the rules, regulations, by-laws, or standards of conduct promulgated by such horse industry organization or association pursuant to this section, who fails to follow the procedures set forth in §11.21 of this part, or who otherwise carries out his duties and responsibilities in a less than satisfactory manner, and shall cancel the license of any DQP after a

[7] Hearing would be in accordance with the Uniform Rules of Practice for the Department of Agriculture in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations (7 CFR 1.130 *et seq.*)

second violation. Upon cancellation of his DQP license, the DQP may, within 30 days thereafter, request a hearing before a review committee of not less than three persons appointed by the licensing horse industry organization or association. If the review committee sustains the cancellation of the license, the DQP may appeal the decision of such committee to the Administrator within 30 days from the date of such decision, and the Administrator shall make a final determination in the matter. If the Administrator finds, after providing the DQP whose license has been canceled with a notice and an opportunity for a hearing,[7] that there is sufficient cause for the committee's determination regarding license cancellation, he shall issue a decision sustaining such determination. If he does not find that there was sufficient cause to cancel the license, the licensing organization or association shall reinstate the license.

(2) Each horse industry organization or association having a Department certified DQP program shall cancel the license of any DQP licensed under its program who has been convicted of any violation of the Act or regulations or of any DQP who has paid a fine or civil penalty in settlement of any alleged violation of the Act or regulations if such alleged violation occurred after July 13, 1976.

(g) *Revocation of DQP program certification of horse industry organizations or associations.* Any horse industry organization or association having a Department certified DQP program that has not received Department approval of the inspection procedures provided for in paragraph (b)(6) of this section, or that otherwise fails to comply with the requirements contained in this section, may have such certification of its DQP program revoked, unless, upon written notification from the Department of such failure to comply with the requirements in this section, such organization or association takes immediate action to rectify such failure and takes appropriate steps to prevent a recurrence of such noncompliance within the time period specified in the Department notification, or otherwise adequately explains such failure to comply to the satisfaction of the Department. Any horse industry organization or association whose DQP program certification has been revoked may appeal such revocation to the Administrator[6] in writing within 30 days after the date of such revocation and, if requested, shall be afforded an opportunity for a hearing.[7] All DQP licenses issued by a horse industry organization or association whose DQP program certification has been revoked shall expire 30 days after the date of such revocation, or 15 days after the date the revocation becomes final after appeal, unless they are transferred to a horse industry organization or association having a program currently certified by the Department.

(Approved by the Office of Management and Budget under control number 0579–0056)

[44 FR 1563, Jan. 5, 1979, as amended at 44 FR 25182, Apr. 27, 1979; 48 FR 57471, Dec. 30, 1983; 55 FR 41993, Oct. 17, 1990; 56 FR 13750, Apr. 4, 1991; 59 FR 67612, Dec. 30, 1994; 63 FR 62927, Nov. 10, 1998]

§ 11.20 Responsibilities and liabilities of management.

(a) The management of any horse show, horse exhibition, or horse sale or auction which does not appoint and retain a DQP shall be responsible for identifying all horses that are sore or otherwise in violation of the Act or regulations, and shall disqualify or disallow any horses which are sore or otherwise in violation of the Act or regulations from participating or competing in any horse show, horse exhibition, horse sale, or horse auction. Horses entered for sale or auction at a horse sale or horse auction must be identified as sore or otherwise in violation of the Act or regulations prior to the sale or auction and prohibited from entering the sale or auction ring. Sore horses or horses otherwise in violation of the Act or regulations that have been entered in a horse show or horse exhibition for the purpose of show or exhibition must be identified and excused prior to the show or exhibition. Any horses found to be sore or otherwise in violation of the Act or regulations during actual participation in the show or exhibition, must be removed from further participation prior to the

[6–7] See previous footnotes 6 and 7.

tyeing of the class or the completion of the exhibition. All horses tyed first in each Tennessee Walking Horse or racking horse class or event at any horse show or horse exhibition shall be inspected after being shown or exhibited to determine if such horses are sore or otherwise in violation of the Act or regulations.

(b)(1) The management of any horse show, horse exhibition, horse sale or auction which designates and appoints a Designated Qualified Person (or persons) to inspect horses shall accord said DQP access to all records and areas of the grounds of such show, exhibition, sale, or auction and the same right to inspect horses and records as is accorded to any APHIS representative. Further, management shall not take any action which would interfere with or influence said DQP in carrying out his duties or making decisions concerning whether or not any horse is sore or otherwise in violation of the Act or regulations. In the event management is dissatisfied with the performance of a particular DQP, including disagreement with decisions concerning violations, management shall not dismiss or otherwise interfere with said DQP during the DQP's appointed tour of duty.[8] However, management should immediately notify, in writing, the Department[6] and the organization or association that licensed the DQP, as to why the performance of said DQP was inadequate or otherwise unsatisfactory. Management which designates and appoints a DQP shall immediately disqualify or disallow from being shown, exhibited, sold, or auctioned any horse identified by the DQP to be sore or otherwise in violation of the Act or regulations or any horse otherwise known by management to be sore or in violation of the Act or regulations. Should management fail to disqualify or disallow from being shown, exhibited, sold or auctioned any such horse, said management shall assume full responsibility for and liabilities arising from the showing, exhibition, sale, or auction of said horses.

(2) The DQP shall physically inspect: (i) All Tennessee Walking Horses and racking horses entered for sale or auction, (ii) all Tennessee Walking Horses and racking horses entered in any animated gait class (whether under saddle, horse to cart, or otherwise), (iii) all Tennessee Walking Horses and racking horses entered for exhibition before they are admitted to be shown, exhibited, sold, or auctioned, and (iv) all Tennessee Walking Horses and racking horses tyed first in their class or event at any horse show, horse exhibition, horse sale, or horse auction. Such inspection shall be for the purpose of determining whether any such horses are in violation of the Act or regulations. Such physical examination shall be conducted in accordance with the inspection procedures provided for in §11.21 of this part. The DQP shall observe horses in the warmup ring and during actual performances whenever possible, and shall inspect any Tennessee Walking Horse or racking horse at any time he deems necessary to determine whether any such horse shown, exhibited, sold, or auctioned is in violation of the Act or regulations. If present at other shows, he shall examine any horse which he determines should be examined for compliance with the Act and regulations.

(3) The DQP shall immediately report, to the management of any horse show, horse exhibition, or horse sale or auction, any horse which, in his opinion, is sore or otherwise in violation of the Act or regulations. Such report shall be made, whenever possible, before the show class or exhibitioin involving said horse has begun or before said horse is offered for sale or auction.

(c) The management of any horse show, exhibition, sale, or auction that designates and appoints a DQP to inspect horses shall appoint and designate at least two DQP's when more than 150 horses are entered.

(Approved by the Office of Management and Budget under control number 0579–0056)

[44 FR 25182, Apr. 27, 1979, as amended at 48 FR 57471, Dec. 30, 1983; 55 FR 41993, Oct. 17, 1990; 56 FR 13750, Apr. 4, 1991; 57 FR 62175, Dec. 30, 1992]

[8] The duration of the show, exhibition, or sale or auction.

[1] See footnote 1 to §11.1.

[6] See footnote 6 to §11.7.

§ 11.21 Inspection procedures for designated qualified persons (DQP's).

(a)(1) During the preshow inspection, the DQP shall direct the custodian of the horse to walk and turn the horse in a manner that allows the DQP to determine whether the horse exhibits signs of soreness. The DQP shall determine whether the horse moves in a free and easy manner and is free of any signs of soreness.

(2) The DQP shall digitally palpate the front limbs of the horse from knee to hoof, with particular emphasis on the pasterns and fetlocks. The DQP shall examine the posterior surface of the pastern by picking up the foot and examining the posterior (flexor) surface. The DQP shall apply digital pressure to the pocket (sulcus), including the bulbs of the heel, and continue the palpation to the medial and lateral surfaces of the pastern, being careful to observe for responses to pain in the horse. While continuing to hold onto the pastern, the DQP shall extend the foot and leg of the horse to examine the front (extensor) surfaces, including the coronary band. The DQP may examine the rear limbs of all horses inspected after showing, and may examine the rear limbs of any horse examined preshow or on the showgrounds when he deems it necessary, except that the DQP shall examine the rear limbs of all horses exhibiting lesions on, or unusual movement of, the rear legs. While carrying out the procedures set forth in this paragraph, the DQP shall also inspect the horse to determine whether the provisions of § 11.3 of this part are being complied with, and particularly whether there is any evidence of inflammation, edema, or proliferating granuloma tissue.

(3) The DQP shall observe and inspect all horses for compliance with the provisions set forth in § 11.2(a) through § 11.2(c) of this part. All action devices, pads, and other equipment shall be observed and/or examined to assure that they are in compliance with the regulations. All such equipment on horses examined postshow, and on horses examined preshow that are not clearly in compliance, shall be weighed and/or measured.

(4) The DQP shall instruct the custodian of the horse to control it by holding the reins approximately 18 inches from the bit shank. The DQP shall not be required to examine a horse if it is presented in a manner that might cause the horse not to react to a DQP's examination, or if whips, cigarette smoke, or other actions or paraphernalia are used to distract a horse during examination. All such incidents shall be reported to the show management and the DQP licensing organization.

(b) The DQP shall inspect horses no more than three classes ahead of the time the inspected horses are to be shown, except that, in shows with fewer than 150 horses, the DQP shall inspect horses no more than 2 classes ahead of the time the inspected horses are to be shown. Inspected horses shall be held in a designated area that is under observation by the DQP or APHIS representative. Horses shall not be permitted to leave the designated area before showing. Only the horse, the rider, the groom, the trainer, the DQP(s) and APHIS representatives shall be allowed in the designated area.

(c) The DQP may carry out additional inspection procedures as he deems necessary to determine whether the horse is sore.

(d) The certified DQP organization shall assess appropriate penalties for violations, as set forth in the rule book of the certified program under which the DQP is licensed, or as set forth by the Department, and shall report all violations, in accordance with § 11.20(b)(3) of this part.

[55 FR 41993, Oct. 17, 1990; as amended at 56 FR 13750, Apr. 4, 1991; 57 FR 62175, Dec. 30, 1992]

§ 11.22 Records required and disposition thereof.

(a) The management of any horse show, horse exhibition, or horse sale or auction, that contains Tennessee Walking Horses or racking horses, shall maintain for a period of at least 90 days following the closing date of said show, exhibition, or sale or auction, all pertinent records containing:

(1) The dates and place of the horse show, horse exhibition, horse sale, or horse auction.

(2) The name and address (including street address or post office box number and ZIP code) of the sponsoring organization.

(3) The name and address of the horse show, exhibition, horse sale or horse auction management.

(4) The name and address (including street address or post office box number and ZIP code) of the DQP, if any, employed to conduct inspections under §11.20; and, the name of the horse industry organization or association certifying the DQP.

(5) The name and address (including street address or post office box number, and ZIP code) of each show judge.

(6) A copy of each class or sale sheet containing the names of horses, the names and addresses (including street address, post office box and ZIP code) of horse owners, the exhibitor number and class number, or sale number assigned to each horse, the show class or sale lot number, and the name and address (including street address, post office box, and ZIP code) of the person paying the entry fee and entering the horse in a horse show, horse exhibition, or horse sale or auction.

(7) A copy of the official horse show, horse exhibition, horse sale, or horse auction program, if any such program has been prepared.

(8) The identification of each horse, including the name of the horse, the name and address (including street address, post office box, and ZIP code) of the owner, the trainer, the rider or other exhibitor, and the location (including street address, post office box, and ZIP code) of the home barn or other facility where the horse is stabled.

(b) The management of any horse show, horse exhibition, or horse sale or auction containing Tennessee Walking Horses or racking horses shall designate a person to maintain the records required in this section.

(c) The management of any horse show, horse exhibition, or horse sale or auction containing Tennessee Walking Horses or racking horses shall furnish to any APHIS representative, upon request, the name and address (including street address, or post office box, and ZIP code) of the person designated by the sponsoring organization or manager to maintain the records required by this section.

(d) The Administrator may, in specific cases, require that a horse show, horse exhibition, or horse sale or auction records be maintained by management for a period in excess of 90 days.

(Approved by the Office of Management and Budget under control numbers 0579–0056, and 0579–0058)

(44 U.S.C. 3506)

[44 FR 25179, Apr. 27, 1979, as amended at 48 FR 57471, Dec. 30, 1983. Redesignated at 55 FR 41993, Oct. 17, 1990; 56 FR 13750, Apr. 4, 1991]

§11.23 Inspection of records.

(a) The management of any horse show, horse exhibition, or horse sale or auction shall permit any APHIS representative, upon request, to examine and make copies of any and all records pertaining to any horse, either required in any part of the regulations, or otherwise maintained, during ordinary business hours or such other times as may be mutually agreed upon. A room, table, or other facilities necessary for proper examination of such records shall be made available to the APHIS representative.

(b) Horse industry organizations or associations who train, maintain, and license DQP's under a certified DQP program shall permit any APHIS representative, upon request, to examine and copy any and all records relating to the DQP program which are required by any part of the regulations. Such requests shall be made during ordinary business hours or such other times as mutually agreed upon. A room, table or other facilities necessary for proper examination shall be made available upon the request of the APHIS representative.

[44 FR 25179, Apr. 27, 1979. Redesignated at 55 FR 41993, Oct. 17, 1990, as amended at 56 FR 13750, Apr. 4, 1991]

§11.24 Reporting by management.

(a) Within 5 days following the conclusion of any horse show, horse exhibition, or horse sale or auction, containing Tennessee Walking Horses or racking horses, the managements of such show, exhibition, sale or auction

shall submit to the Regional Director[1] for the State in which the show, exhibition, sale or auction was held, the information required by §11.22(a)(1) through (6) for each horse excused or disqualified by management or its representatives from being shown, exhibited, sold or auctioned, and the reasons for such action. If no horses are excused or disqualified, the management shall submit a report so stating.

(b) Within 5 days following the conclusion of any horse show, horse exhibition, or horse sale or auction which does not contain Tennessee Walking Horses or racking horses, the management of such show, exhibition, sale or auction shall inform the Regional Director for the State in which the show, exhibition, sale or auction was held, of any case where a horse was excused or disqualified by management or its representatives from being shown, exhibited, sold or auctioned because it was found to be sore.

(Approved by the Office of Management and Budget under control number 0579–0056)

[44 FR 25179, Apr. 27, 1979, as amended at 48 FR 57471, Dec. 30, 1983; 55 FR 41994, Oct. 17, 1990; 56 FR 13750, Apr. 4, 1991; 63 FR 62927, Nov. 10, 1998]

§ 11.40 Prohibitions and requirements concerning persons involved in transportation of certain horses.

(a) Each person who ships, transports, or otherwise moves, or delivers or receives for movement, any horse with reason to believe such horse may be shown, exhibited, sold or auctioned at any horse show, horse exhibition, or horse sale or auction, shall allow and assist in the inspection of such horse at any such show, exhibition, sale, or auction to determine compliance with the Act as provided in §11.4 of the regulations and shall furnish to any APHIS representatives upon his request the following information:

(1) Name and address (including street address, post office box, and ZIP code) of the horse owner and of the shipper, if different from the owner or trainer.

(2) Name and address (including street address, post office box, and ZIP code) of the horse trainer.

(3) Name and address (including street address, post office box, and ZIP code) of the carrier transporting the horse, and of the driver of the means of conveyance used.

(4) Origin of the shipment and date thereof, and,

(5) Destination of shipment.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0056)

[44 FR 25179, Apr. 27, 1979, as amended at 48 FR 57471, Dec. 30, 1983; 56 FR 13750, Apr. 4, 1991]

§ 11.41 Reporting required of horse industry organizations or associations.

Each horse industry organization or association which sponsors, or which sanctions any horse show, horse exhibition, or horse sale or auction, shall furnish the Department[6] by March 1 of each year with all such organization or association rulebooks, and disciplinary procedures for the previous year pertaining to violations of the Horse Protection Act or regulations, applicable to such horse show, horse exhibition, or horse sale or auction. Rulebooks and information relating to disciplinary procedures for violations of the Horse Protection Act or regulations should be readily available to all exhibitors, trainers, and owners of horses at such show, exhibition, sale, or auction. Each horse industry organization or association shall furnish the Department[6] with a quarterly report of all disciplinary actions taken against the management or any horse show, horse exhibition, horse sale, or horse auction, any exhibitor, or any licensed DQP, for violation of the Horse Protection Act or regulations, and the results thereof.

(Approved by the Office of Management and Budget under control number 0579–0056)

[44 FR 25179, Apr. 27, 1979, as amended at 48 FR 57471, Dec. 30, 1983]

[1] See footnote 1 to §11.1.

[6] See footnote 6 to §11.7.

PART 12—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER THE HORSE PROTECTION ACT

Subpart A—General

Sec.

12.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

12.10 Stipulations.

Subpart A—General

§ 12.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under section 6(a) of the Horse Protection Act of 1970 (15 U.S.C. 1825(a)) and sections 6 (b) and (c) of the Horse Protection Act (15 U.S.C. 1825 (b) and (c)). In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

(84 Stat. 1406; 15 U.S.C. 1828)

[42 FR 10959, Feb. 25, 1977]

Subpart B—Supplemental Rules of Practice

§ 12.10 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under the Act, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administration gives notice of an apparent violation of the Act or the regulations issued thereunder by such person and affords such person an opportunity for a hearing regarding the matter as provided by the Act;

(2) Such person expressly waives hearing and agrees to a specified order including an agreement to pay a specified civil penalty within a designated time; and

(3) The Administrator agrees to accept the specified order including a civil penalty in settlement of the particular matter involved if it is paid within the designated time.

(b) If the specified penalty is not paid within the time designated in such a stipulation, the amount of the stipulated penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

(84 Stat. 1406; 15 U.S.C. 1828)

[42 FR 10960, Feb. 25, 1977]

SUBCHAPTER B—COOPERATIVE CONTROL AND ERADICATION OF LIVESTOCK OR POULTRY DISEASES

PART 49—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER CERTAIN ACTS

Subpart A—General

Sec.

49.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

49.10 Stipulations.

AUTHORITY: Secs. 3–7, 23 Stat. 32, as amended; secs. 2 and 3, 32 Stat. 792, as amended; secs. 1, 3, 4, and 6, 33 Stat. 1264, 1265, as amended; sec. 11, 58 Stat. 734, as amended; sec. 2, 65 Stat. 693, as amended; secs. 3 and 4, 76 Stat. 130; sec. 6, 76 Stat. 131, as amended; sec. 11, 76 Stat. 132; 21 U.S.C. 111, 112, 114, 114a, 114a–1, 115, 117, 120, 122, 123, 125–127, 134b, 134c, 134e, 134f; 7 CFR 2.22, 2.80, 371.2(d).

SOURCE: 48 FR 30094, June 30, 1983, unless otherwise noted.

Subpart A—General

§ 49.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under the following statutory provisions:

Act of May 29, 1884, commonly known as the Animal Industry Act, section 7, as amended (21 U.S.C. 117),

Act of February 2, 1903, commonly known as the Cattle Contagious Diseases Act of 1903, section 3, as amended (21 U.S.C. 122),

Act of March 3, 1905, Section 6, as amended (21 U.S.C. 127),

Act of July 2, 1962, section 6(a), as amended (21 U.S.C. 134e).

In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 49.10 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under any of the Acts listed in §49.1, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administrator or the Administrator's delegate gives notice of an apparent violation of the applicable Act, or the regulations issued thereunder, by such person and affords such person an opportunity for a hearing regarding the matter as provided by such Act;

(2) Such person expressly waives hearing and agrees to pay a specified penalty within a designated time; and

(3) The Administrator agrees to accept the penalty in settlement of the particular matter involved if the penalty is paid within the designated time.

(b) If the penalty is not paid within the time designated in such a stipulation, the amount of the stipulated penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

PART 50—ANIMALS DESTROYED BECAUSE OF TUBERCULOSIS

Sec.

50.1 Definitions.
50.2 Cooperation with States.
50.3 Payment to owners for animals destroyed.
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50.5 Record of tests.
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50.9 Appraisals.
50.10 Report of appraisals.
50.11 Report of salvage proceeds.
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50.13 Disinfection of premises, conveyances, and materials.

50.14 Claims not allowed.
50.15 Part 53 of this chapter not applicable.
50.16 Certain cattle on the Island of Molokai in Hawaii.

AUTHORITY: 21 U.S.C. 111–113, 114, 114a, 114a-1, 120, 121, 125, and 134b; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 40 FR 27009, June 26, 1975, unless otherwise noted.

§ 50.1 Definitions.

For the purposes of this part, the following terms shall be construed, respectively, to mean:

Accredited veterinarian: A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator: The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service: The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

APHIS representative: A veterinarian or other person employed by APHIS in animal health activities, who is authorized to perform the function involved.

Approved herd plan. A herd management and testing plan based on the disease history and movement patterns of an individual herd, designed by the herd owner and a State representative or APHIS representative to determine the disease status of livestock in the herd and to eradicate tuberculosis within the herd. The plan must be jointly approved by the State animal health official and the Veterinarian in Charge.

Captive cervid. All species of deer, elk, moose, and all other members of the family Cervidae raised or maintained in captivity for the production of meat and other agricultural products, for sport, or for exhibition. A captive cervid that escapes will continue to be considered a captive cervid as long as it bears an official eartag or other identification approved by the Administrator as unique and traceable with which to trace the animal back to its herd of origin.

Department: The United States Department of Agriculture.

Designated epidemiologist. An epidemiologist appointed by a cooperating State animal health official and the Veterinarian in Charge to perform functions specified by the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication.''

Destroyed: Condemned under State authority and destroyed by slaughter or by death otherwise.

Herd. Any group of livestock maintained on common ground for any purpose, or two or more groups of livestock under common ownership or supervision, geographically separated but that have an interchange or movement of livestock without regard to health status, as determined by the Administrator.

Herd depopulation. Removal by slaughter or other means of destruction of all cattle, bison, and captive cervids in a herd prior to restocking with new cattle, bison, or captive cervids.

Livestock. Cattle, bison, captive cervids, swine, dairy goats, and other hoofed animals (such as llamas, alpacas, and antelope) raised or maintained in captivity for the production of meat and other products, for sport, or for exhibition.

Mortgage: Any mortgage, lien or other security or interest that is recorded under State law or identified in the indemnity claim form filed under § 50.12 and held by any person other than the one claiming indemnity.

Owner: Any person who has a legal or rightful title to livestock whether or not they are subject to a mortgage.

Permit: A permit for movement of cattle, bison, captive cervids, or swine direct to slaughter listing the disease status and identification of the animal, where consigned, cleaning and disinfecting requirements, and proof of slaughter certification; *Provided, however,* a permit for movement to a quarantined feedlot pursuant to § 50.16 is the same except that the permit is for movement to a quarantined feedlot instead of to slaughter and the proof of

slaughter certification is not applicable.

Person: Any individual, corporation, company, association, firm, partnership, society, or joint stock company, or any organized group of any of the foregoing.

Quarantined feedlot: A confined area under the direct supervision and control of a State livestock official who shall establish procedures for the accounting of all livestock entering or leaving the area. The quarantined feedlot shall be maintained for finish feeding of livestock in drylot with no provision for pasturing and grazing. All livestock leaving such feedlot must only move directly to slaughter in accordance with established procedures for handling quarantined livestock.

Reactor cattle, bison, and captive cervids. Cattle and bison are classified as reactors for tuberculosis in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication,'' based on a positive response to an official tuberculin test. Captive cervids are classified as reactors for tuberculosis in the same manner as cattle and bison.

Registered cattle, bison, or captive cervids. Cattle, bison, or captive cervids for which individual records of ancestry are maintained, and for which individual registration certificates are issued and recorded by a recognized breed association whose purpose is the improvement of the breed.

State: Any State, territory, the District of Columbia, or Puerto Rico.

Tuberculosis: The contagious, infectious, and communicable disease caused by *Mycobacterium bovis.*

Veterinarian in Charge: The veterinary official of APHIS who is assigned by the Administrator to supervise and perform official animal health work of APHIS in the State concerned.

[40 FR 27009, June 26, 1975, as amended at 45 FR 32287, May 16, 1980; 51 FR 33735, Sept. 23, 1986; 52 FR 1317, Jan. 13, 1987; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 58 FR 34698, June 29, 1993; 60 FR 37808, July 24, 1995; 63 FR 34263, June 24, 1998; 63 FR 72122, Dec. 31, 1998]

§ 50.2 Cooperation with States.

The Administrator cooperates with the proper State authorities in the eradication of tuberculosis and pays Federal indemnities for the destruction of cattle, bison, captive cervids, or swine affected with or exposed to tuberculosis.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.3 Payment to owners for animals destroyed.

(a) *Affected cattle, bison, and captive cervids.* The Department may pay owners an indemnity for cattle, bison, and captive cervids affected with tuberculosis not to exceed $750 for each animal, but any joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal.

(b) *Herd depopulation—cattle, bison, and captive cervids.* The Administrator may authorize the payment of Federal indemnity to owners of cattle, bison, and captive cervids destroyed because of tuberculosis, not to exceed $450 for any animal which is a part of a known affected herd, when it has been determined by the Administrator that the destruction of all the exposed cattle, bison, and captive cervids in the herd will contribute to the Tuberculosis Eradication Program; but, the joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal.

(c) *Exposed cattle, bison, and captive cervids.* The Administrator may authorize the payment of Federal indemnity to owners of cattle, bison, and captive cervids destroyed because of tuberculosis not to exceed $450 for any animal which has been classified as exposed to tuberculosis in accordance with § 50.4(b) when it has been determined by the Administrator that the destruction of the exposed cattle, bison, or captive cervids will contribute to the Tuberculosis Eradication Program; but, the joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal.

(d) *Suspect cattle, bison, and captive cervids.* The Administrator may authorize the payment of Federal indemnity to owners of cattle, bison, and captive

cervids destroyed because of tuberculosis not to exceed $450 for any animal that has been classified as a suspect in accordance with § 50.4(c) when it has been determined by the Administrator that the destruction of the suspect cattle, bison, or captive cervids will contribute to the Tuberculosis Eradication Program; but the joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal: *Provided, however,* that payment of indemnity for the destruction of suspect cattle, bison, and captive cervids will be withheld until the tuberculosis status of the suspect has been determined and, if the cattle, bison, or captive cervid is found to be infected with tuberculosis, all cattle, bison, and captive cervids 2 years of age or over in the claimant's herd have been tested for tuberculosis under APHIS or State supervision.

(e) *Exposed swine.* The Administrator may authorize the payment of Federal indemnity to owners of swine destroyed because of tuberculosis not to exceed $200 for any animal, when such animals are found by APHIS to be exposed to tuberculosis by reason of association with a herd destroyed under § 50.3(b); but, the joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal.

(Secs. 3, 4, 5, 11, and 13, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791–792, as amended; sec. 3, 33 Stat. 1265, as amended; sec. 3, 76 Stat. 130; 21 U.S.C. 111–113, 114, 114a, 114a–1, 120, 121, 125, 134b; 7 CFR 2.17, 2.51, and 371.2(d))

[45 FR 32287, May 16, 1980, as amended at 49 FR 28041, July 10, 1984; 49 FR 44273, Nov. 6, 1984; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.4 Classification of cattle, bison, and captive cervids as affected, exposed, or suspect.

(a) Cattle, bison, and captive cervids are classified as affected with tuberculosis on the basis of an intradermal tuberculin test applied by a Federal, State, or an accredited veterinarian or by other diagnostic procedure approved in advance by the Administrator.

(b) Cattle, bison, and captive cervids are classified as exposed to tuberculosis when such cattle, bison, and captive cervids (1) are part of a known infected herd, or (2) are found to have moved from an infected herd before the time infection was disclosed in such herd and after the time such herd had apparently become infected, or (3) are found to have been exposed by virtue of nursing a reactor dam: *Provided,* That cattle, bison, and captive cervids classified as exposed to tuberculosis shall be removed direct to slaughter.

(c) Cattle and bison are classified as suspects for tuberculosis based on a positive response to an official tuberculin test, in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' (incorporated into the regulations by reference in part 77). Captive cervids are classified as suspects for tuberculosis in the same manner as cattle and bison.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.5 Record of tests.

When any cattle, bison, or captive cervid in a herd is classified by an APHIS or State representative or accredited veterinarian as a reactor to a test for tuberculosis, a complete test record shall be made for such herd, including the reactor tag number of each reacting animal and the registration name and number of each reacting registered animal. VS Form 6–22 or an equivalent State form shall be used for the record of any herd having any reactor to a tuberculin test. A copy of the applicable test record shall be given to the owner of any such herd, and one copy of each such record shall be furnished to the appropriate State veterinarian's office.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.6 Identification of animals to be destroyed because of tuberculosis.

Cattle, bison, captive cervids, or swine to be destroyed because of tuberculosis must be identified within 15 days after being classified as reactors or otherwise condemned because of tuberculosis, except that the appropriate

Veterinarian in Charge, for reasons satisfactory to him, may extend the time limit for identification to 30 days when a request for such extension is received by him prior to the expiration date of the original 15-day period allowed, and the Administrator may extend the time limit for identification beyond 30 days, upon request in specific cases and for reasons satisfactory to him.

(a) *Reactor cattle and bison.* Reactor cattle and bison shall be identified by branding the letter ''T,'' at least 5 by 5 centimeters (2 by 2 inches) in size, high on the left hip near the tailhead and by attaching to the left ear an approved metal eartag bearing a serial number and the inscription ''U.S. Reactor'', or a similar State reactor tag. Reactor cattle and bison may be moved interstate to slaughter without branding if they are permanently identified by the letters ''TB'' tattooed legibly in the left ear, they are sprayed on the left ear with yellow paint, and they are either accompanied by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(b) *Exposed cattle and bison.* Exposed cattle and bison shall be identified by branding the letter ''S,'' at least 5 by 5 centimeters (2 by 2 inches) in size, high on the left hip near the tailhead and by attaching to either ear an approved metal eartag bearing a serial number. Exposed cattle and bison may be moved interstate to slaughter without branding if they are either accompanied by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(c) *Exposed swine.* Swine destroyed under the provisions of § 50.3(d) shall be identified by tagging with a serially numbered metal eartag attached to either ear. All such animals to be destroyed shall be transported to the place of destruction in vehicles closed with seals provided by APHIS or shall be accompanied to the place of destruction by an APHIS or State representative: *Provided, however,* That animals destroyed and disposed of under the direct supervision of an APHIS or State representative on the premises where they were exposed do not require individual identification.

(d) *Reactor captive cervids.* Reactor captive cervids shall be identified by branding the letter ''T'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size and by attaching to the left ear an approved metal eartag bearing a serial number and the inscription ''U.S. Reactor'', or a similar State reactor tag. Reactor captive cervids may be moved interstate to slaughter without branding if they are permanently identified by the letters ''TB'' tattooed legibly on the left ear, they are sprayed on the left ear with yellow paint, and they are either accompanied by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(e) *Exposed captive cervids.* Exposed captive cervids shall be identified by branding the letter ''S'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size and by attaching to either ear an approved metal eartag bearing a serial number. Exposed captive cervids may be moved interstate to slaughter without branding if they are either accompanied by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual

authorized for this purpose by an APHIS representative.

[40 FR 27009, June 26, 1975, as amended at 45 FR 32287, May 16, 1980; 50 FR 40963, Oct. 8, 1985; 51 FR 2346, Jan. 16, 1986; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 60 FR 48366, Sept. 19, 1995; 61 FR 25138, May 20, 1996; 63 FR 34264, June 24, 1998]

§ 50.7 Destruction of animals.

(a) *Slaughter or disposal.* Cattle, bison, captive cervids, or swine to be destroyed because of tuberculosis must be shipped direct to slaughter under permit to a Federal or State inspected slaughtering establishment or be disposed of by rendering, burial, or incinerating in an approved manner under supervision of an APHIS or State employee.

(b) *Time limit for destruction of animals.* Cattle, bison, captive cervids, or swine for which Federal indemnity may be paid because of tuberculosis must be destroyed and carcass disposal completed within 15 days after the date of appraisal, except that the appropriate Veterinarian in Charge, for reasons satisfactory to him, may extend the time limit for slaughter to 30 days when request for such extension is received by him prior to the expiration of the original 15-day period allowed, and the Administrator may extend the time limit for slaughter beyond 30 days, upon request in specific cases and for reasons satisfactory to him.

(Approved by the Office of Management and Budget under control number 0579–0051)

[40 FR 27009, June 26, 1975, as amended at 45 FR 32287, May 16, 1980; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.8 Payment of expenses for transporting and disposing of affected, exposed, and suspect animals.

The Department may pay, when approved in advance in writing by the Veterinarian in Charge, one half the expenses of transporting affected, exposed, or suspect cattle, bison, and captive cervids to slaughter or to the point where disposal will take place, and one half the expenses of destroying, burying, incinerating, rendering, or otherwise disposing of affected, exposed, or suspect cattle, bison, and captive cervids; *Provided that,* the Department may pay more than one-half of the expenses when the Administrator determines that doing so will contribute to the tuberculosis eradication program. For reimbursement to be made, the owner of the animals must present the Veterinarian in Charge with a copy of either a receipt for expenses paid or a bill for services rendered. Any bill for services rendered by the owner must not be greater than the normal fee for similar services provided by a commercial hauler or renderer.

[62 FR 49592, Sept. 23, 1997; as amended at 63 FR 34264, June 24, 1998]

§ 50.9 Appraisals.

Cattle, bison, captive cervids, or swine to be destroyed because of tuberculosis under § 50.3 shall be appraised within 15 days after being classified as affected or after otherwise being condemned because of tuberculosis, except that the appropriate Veterinarian in Charge, for reasons satisfactory to him, may extend the time limit for appraisal to 30 days when a request for such extension is received by him prior to the expiration date of the original 15–day period allowed, and the Administrator may extend the time limit for appraisal beyond 30 days, upon request in specific cases and for reasons satisfactory to him. The appraisal shall be by an independent professional appraiser at the expense of APHIS, except that the veterinarian in charge may waive the requirement for independent professional appraiser for reasons satisfactory to him. When cattle, bison, captive cervids, or swine are thus appraised, due consideration shall be given to their breeding value as well as to their dairy or meat value. Cattle, bison, captive cervids, or swine presented for payment as registered shall be accompanied by their registration papers. If the registration papers are temporarily not available, or if the cattle, bison, captive cervids, or swine are less than 3 years old and unregistered, the appropriate Veterinarian in Charge may grant a reasonable time for the presentation of their registration papers. APHIS may decline to accept any appraisal that appears to be unreasonable or out of proportion to

the value of cattle, bison, captive cervids, or swine of like quality.

[45 FR 32288, May 16, 1980, as amended at 50 FR 40963, Oct. 8, 1985; 51 FR 2346, Jan. 16, 1986; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§50.10 Report of appraisals.

Appraisals of cattle, bison, captive cervids, and swine made in accordance with §50.9 shall be recorded on forms furnished by APHIS. The appraisal form shall be signed by the appraiser and by the owner certifying his acceptance of the appraisal. The ''date of appraisal'' shall be the date that the owner signs the appraisal form. The original of the appraisal form and as many copies thereof as may be required for APHIS, the State, and the owner of the animals shall be sent to the appropriate Veterinarian in Charge.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§50.11 Report of salvage proceeds.

A report of the salvage derived from the sale of each animal on which a claim for indemnity may be made under the provisions of §50.3 shall be made on a salvage form acceptable to APHIS which shall be signed by the purchaser or his agent or by the selling agent handling the animals. If the cattle, bison, captive cervids, or swine are sold by the pound, the salvage form shall show the weight, price per pound, gross receipts, expenses if any, and net proceeds. If the cattle, bison, captive cervids, or swine are not sold on a per pound basis, the net purchase price of each animal must be stated on the salvage form and an explanation showing how the amount was arrived at must be submitted. In the event the animals are not disposed of through regular slaughterers or through selling agents, the owner shall furnish, in lieu of the salvage form, an affidavit showing the amount of salvage obtained by him and shall certify that such amount is all that he has received or will receive as salvage for said animals. In an emergency, a certificate executed by the appropriate Veterinarian in Charge will be acceptable in lieu of the owner's affidavit. The salvage shall be considered to be the net amount received for an animal after deducting freight, truckage, yardage, commission, slaughtering charges, and similar costs. The original of the salvage form or the affidavit of the owner or certificate of the appropriate Veterinarian in Charge, furnished in lieu thereof, shall be furnished to the Veterinarian in charge if it is not already in his possession. Additional copies may be furnished to the State officials, if required. Destruction of cattle, bison, captive cervids, and swine by burial, incineration or other disposal of carcasses shall be supervised by an APHIS or State representative who shall prepare and transmit to the Veterinarian in Charge a report identifying the animals and showing the disposition thereof.

(Approved by the Office of Management and Budget under control number 0579–0001)

[40 FR 27009, June 26, 1975, as amended at 48 FR FR 57471, Dec. 30, 1983; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§50.12 Claims for indemnity.

Claims for Federal indemnity for cattle, bison, captive cervids, or swine destroyed because of tuberculosis shall be presented on indemnity claim forms furnished by APHIS on which the owner of the animals covered thereby shall certify that the animals are or are not, subject to any mortgage as defined in this Part. If the owner states there is a mortgage, the APHIS indemnity claim form shall be signed by the owner and by each person holding a mortgage on the animals consenting to the payment of any indemnity allowed to the person specified thereon. Payment will be made only if the APHIS indemnity claim form has been approved by a proper State official and if payment of the claim has been recommended by the appropriate Veterinarian in Charge or an official designated by him. On claims for indemnity made under the provisions of §50.3, the Veterinarian in Charge or official designated by him shall record on the APHIS indemnity claim form the amount of Federal and State indemnity payments that appear to be due to the owner of the animals. The owner of the animals shall be furnished a copy

of the APHIS indemnity claim form. The Veterinarian in Charge or official designated by him shall then forward the APHIS indemnity claim form to the appropriate official for further action on the claim. No charges for holding the cattle, bison, captive cervids, or swine on the farm pending slaughter or for trucking by the owner shall be so deducted or otherwise paid by the Department.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§ 50.13 Disinfection of premises, conveyances, and materials.

All premises, including all structures, holding facilities, conveyances, or materials which are determined by the appropriate Veterinarian in Charge to constitute a health hazard to humans or animals because of tuberculosis shall be properly cleaned and disinfected, in accordance with procedures approved by the Department, within 15 days after the removal of tuberculosis affected or exposed livestock except that the Veterinarian in Charge, for reasons satisfactory to him, may extend the time limit for disinfection to 30 days when request for such extension is received by him prior to the expiration date of the original 15-day period allowed.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987; 60 FR 37809, July 24, 1995]

§ 50.14 Claims not allowed.

Claims for compensation for cattle, bison, or captive cervids destroyed because of tuberculosis shall not be allowed if any of the following circumstances exist:

(a) If the claimant has failed to comply with any of the requirements of this part.

(b) If all cattle, bison, and captive cervids 2 years of age or over in the claimant's herd have not been tested for tuberculosis under APHIS or State supervision: *Provided, however,* that:

(1) Cattle, bison, and captive cervids destroyed because of tuberculosis under § 50.3(b) or (c) are exempt from this requirement if the cattle, bison, or captive cervids are subjected to a postmortem examination for tuberculosis by a Federal or State veterinarian; and

(2) Cattle, bison, and captive cervids destroyed because of tuberculosis under § 50.3(d) are exempt from this requirement if the cattle, bison, or captive cervids are subjected to a postmortem examination for tuberculosis by a Federal or State veterinarian and found not to have tuberculosis.

(c) If there is substantial evidence that the owner or his agent has in any way been responsible for any attempt unlawfully or improperly to obtain indemnity funds for such animals.

(d) If at the time of test or condemnation, the cattle, bison, or captive cervids belonged to or were upon the premises of any person to whom they had been sold, shipped, or delivered for slaughter unless or until all of the cattle, bison, and captive cervids remaining on the premises or in the herd from which the tested or condemned cattle, bison, or captive cervids originated are tested or otherwise examined for tuberculosis in a manner satisfactory to the Administrator or his designated representative.

(e) If the cattle, bison, or captive cervids were added to the herd while the herd was quarantined for tuberculosis, unless an approved herd plan was in effect for the herd at the time the claim was filed. As part of the approved herd plan, cattle, bison, or captive cervids added to a herd quarantined for tuberculosis must:

(1) Be from an accredited herd, as defined in § 77.1 of this chapter; or

(2)(i) Be from a herd that tested negative to an official tuberculin test (complete herd test), as defined in § 77.1 of this chapter, no more than 12 months before the cattle, bison, or captive cervids were added to the claimant's herd; and

(ii) Have been found negative to an official tuberculin test, as defined in § 77.1 of this chapter, during the 60 days before the cattle, bison, or captive cervids were added to the claimant's herd.

(f) For exposed cattle, bison, or captive cervids destroyed during herd depopulation, if a designated epidemiologist has determined that exotic bovidae (such as antelope) or other species of livestock in the herd have been exposed

to tuberculosis by reason of association with tuberculous livestock, and those exotic bovidae or other species determined to have been exposed to tuberculosis have not been destroyed.

[40 FR 27009, June 26, 1975, as amended at 45 FR 32288, May 16, 1980; 52 FR 39614, Oct. 23, 1987; 56 FR 36998, Aug. 2, 1991; 58 FR 34699, June 29, 1993; 60 FR 37809, July 24, 1995; 63 FR 34264, June 24, 1998]

§50.15 Part 53 of this chapter not applicable.

No claim for Federal indemnity for cattle or bison destroyed because of tuberculosis shall hereafter be paid under the regulations contained in part 53 of this chapter, but all such claims shall be presented and paid pursuant to and in compliance with the regulations contained in this part.

[40 FR 27009, June 26, 1975, as amended at 52 FR 39614, Oct. 23, 1987]

§50.16 Certain cattle on the Island of Molokai in Hawaii.

(a) The provisions of this part relating to indemnity for exposed cattle shall apply with respect to exposed cattle on the island of Molokai in Hawaii, *except that:* The Administrator may authorize the payment of Federal indemnity to owners of exposed cattle under two years of age, not to exceed $450 for any animal which has been found by APHIS to have been exposed by reason of association with tuberculous cattle, (the joint State-Federal indemnity payments, plus salvage, must not exceed the appraised value of each animal), if the exposed cattle instead of being immediately destroyed are to be moved from the premises of origin on the island of Molokai (intrastate or interstate) to a quarantined feedlot and if the following conditions are met:

(1) The exposed cattle are sold for movement to the quarantined feedlot prior to their movement from the premises of origin;

(2) The exposed cattle, prior to movement from the premises of origin, are identified by tagging with an approval metal eartag bearing a serial number attached to either ear of each animal and by branding the letter ''S'' (or other brand approved by the Administrator based on a determination that the brand would adequately identify the animal as destined for slaughter) on the left jaw not less than 2 nor more than 3 inches high, *Provided, however,* such branding may be done upon arrival at the quarantined feedlot if the cattle are accompanied to the feedlot by an APHIS or State representative, or shipped in vehicles closed with official seals;

(3) The owner of the exposed cattle on the island of Molokai prior to sale for movement to the quarantined feedlot has entered into a compliance agreement[1] with APHIS whereby it is agreed that the salvage for cattle moved to a quarantined feedlot shall be the amount received from the sale of the animals and that such owner shall be eligible for indemnity only if all cattle on the island of Molokai under his or her control are destroyed or moved under permit directly from the premises of origin to a quarantined feedlot under paragraph (a) of this section and if he or she otherwise agrees to comply with any other provisions of this part applicable to him or her; and;

(4) The purchaser of the exposed cattle has entered into a compliance agreement[1] with APHIS whereby it is agreed that the cattle will be moved under permit directly from the premises of origin to the quarantined feedlot; whereby it is agreed that at the time such cattle are moved from the quarantined feedlot the cattle will be shipped under permit directly to a Federal or State inspected slaughtering establishment for slaughter or be disposed of by rendering, burial, or incinerating in an approved manner under supervision of an APHIS or State employee; whereby it is agreed that the exposed cattle shall not be sold prior to destruction unless the purchaser enters into a compliance agreement agreeing to the provisions contained in this paragraph.

(b) After indemnity has been paid for exposed cattle under paragraph (a) of

[1] Compliance Agreement forms are available without charge from the Animal and Plant Health Inspection Service, Veterinary Services, Cattle Diseases and Surveillance, 4700 River Road, Unit 36, Riverdale, Maryland 20737–1231, and from local offices of Veterinary Services. (Local offices are listed in telephone directories.)

this section, no additional indemnity shall be paid for such exposed cattle.

[51 FR 33735, Sept. 23, 1986, as amended at 52 FR 1317, Jan. 13, 1987; 56 FR 36998, Aug. 2, 1991; 59 FR 67612, Dec. 30, 1994]

PART 51—ANIMALS DESTROYED BECAUSE OF BRUCELLOSIS

Sec.

51.1 Definitions.
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AUTHORITY: 21 U.S.C. 111–113, 114, 114a, 114a-1, 120, 121, 125, 134b; 7 CFR 2.22, 2.80, and 371.2(d).

§ 51.1 Definitions.

For the purposes of this part, the following terms shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Cattle, bison, and breeding swine.

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Appraisal. An estimate of the fair market value of an animal to be destroyed because of brucellosis. The estimate shall be based upon the meat, dairy, or breeding value of the animal.

Brucellosis exposed animal. Except for a brucellosis reactor animal, any animal that: (1) Is part of or has been in contact with a herd known to be affected; or (2) has been in contact with a brucellosis reactor animal for a period of 24 hours or longer; or (3) has been in contact with a brucellosis reactor animal which has aborted, calved or farrowed within the past 30 days, or has a vaginal or uterine discharge.

Brucellosis reactor animal. Any animal classified as a brucellosis reactor as provided in the definition of official test in §78.1 of this chapter.

Claimant. A person who files a claim for indemnity under §51.7 for animals destroyed under this part.

Complete herd test. An official test for brucellosis (as defined in 9 CFR 78.1) performed under APHIS supervision in a cattle or bison herd on all cattle or bison that are (1) 6 months of age or more and not official vaccinates, except steers and spayed heifers; or (2) Official calfhood vaccinates of any age that are parturient or postparturient; or (3) Official calfhood vaccinates of beef breeds or bison with the first pair of permanent incisors fully erupted (2 years of age or more); or (4) Official calfhood vaccinates of dairy breeds with partial eruption of the first pair of permanent incisors (20 months of age or more).

Condemn. The determination made by an APHIS representative, State representative, or accredited veterinarian that animals for which indemnity is sought under this Part shall be destroyed.

Dairy cattle. A female bovine of a recognized dairy breed over 20 months of age, which has calved or is within 90 days of parturition and which is a member of a dairy herd used to produce milk for commercial use.

Destroyed. Condemned under State authority and slaughtered or otherwise dies.

Herd. Any group of animals of the same species maintained on common ground for any purpose, or two or more groups of animals (of the same species) under common ownership or supervision, geographically separated but

which have an interchange or movement of animals without regard to health status.

Herd Depopulation. Removal by slaughter or other means of destruction of all cattle, bison, or swine in a herd or from a specific premises or under common ownership prior to restocking such premises with new animals, except that steers and spayed heifers or barrows and gilts maintained for feeding purposes may be retained on the premises if the Veterinarian in Charge finds such retention to be compatible with eradication efforts. The Veterinarian in Charge may also permit removal of nonpregnant heifers, without payment of indemnity, to Quarantined Feedlots in lieu of immediate slaughter.

Herd known to be affected. Any herd in which any animal has been classified as a brucellosis reactor and which has not been released from quarantine.

Inbred or hybrid swine. Any breeding swine which are the progeny of two or more breeds of registered swine and which are maintained to produce inbred or hybrid swine, and for which records of ancestry exist through which such swine can be individually identified as progeny of said registered swine.

Mortgage. Any mortgage, lien, or other security or interest that is recorded under State law or identified in the indemnity claim form filed under §51.7 and held by any person other than the one claiming indemnity.

Official seal. A serially numbered metal strip consisting of a self-locking device on one end and a slot on the other end, which forms a loop when the ends are engaged, which cannot be reused if opened, and is applied by a representative of the Veterinarian in Charge or the State animal health official.

Owner. Any person who has a legal or rightful title to animals whether or not they are subject to a mortgage.

Permit. An official document for movement of animals under this Part issued by an APHIS representative, state representative, or accredited veterinarian listing the disease status and identification of the animal, where consigned, cleaning and disinfecting requirements, and proof of slaughter certification.

Person. Any individual, corporation, company, association, firm, partnership, society, or joint stock company, or other legal entity.

Recognized slaughtering establishment. Any slaughtering establishment operating under the Meat Inspection Act (21 U.S.C. 601–695) or a State meat inspection act.[1]

Registered breed association. An association formed and perpetuated for the maintenance of records of purebreeding of animal species for a specific breed whose characteristics are set forth in Constitutions, By-Laws, and other rules of the association. The records maintained by such an association shall include an Official Herd Book or other recordkeeping format and Certificates of Registration or Recordation which identify an animal as a registered animal of that registered breed association. Known registered breed associations are: American Angus Association, American Beefalo Association, Inc., The American Black Maine-Anjou Association, American Blonde d'Aquitaine Association, American Brahman Breeders Association, American Brahmental Association, American Breed Association, Inc., American Chianina Association, American Dexter Cattle Association, American Galloway Breeders Association, American Gelbvieh Association, American Guernsey Cattle Club, American Hereford Association, American International Charolais Association, American (International Marchigiana Society, American Jersey Cattle Club, American Maine-Anjou Association, American Milking Shorthorn Society, American Murray Grey Association, American Normande Association, American Pinzgauer Association, American Polled Hereford Association, American Red Brangus Association, American Red Poll Association, American Salers Association, American Scotch Highland Breeders Association, American Shorthorn Association, American

[1] The names and addresses of recognized slaughtering establishments may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Cattle Diseases and Surveillance, 4700 River Road, Unit 36, Riverdale, Maryland 20737–1231.

Simmental Association, Inc., American Tarentaise Asssociation, Ankina Breeders, Inc., Ayrshire Breeders Association, Barzona Breed Association of America, Beefmaster Breeders Universal, Belted Galloway Society, Brahmanstein Breeders Association, Brown Swiss Beef International, Inc., Brown Swiss Cattle Breeders Association of U.S.A., Char-Swiss Breeders Association, Devon Cattle Association, Inc., Dutch Belted Cattle Association of America, Inc., Foundation Beefmaster Association, Galloway Cattle Society of America, Inc., Galloway Performance International, Holstein-Friesian Association of America, International Braford Association, International Brangus Breeders Association, Inc., International Maine-Anjou Association, Marky Cattle Association, Mid America RX[3] Cattle Company, National Beefmaster Association, North American Limousin Foundation, Pan American Zebu Association, Red and White Dairy Cattle Association, Red Angus Association of America, Red Poll Beef Breeders International, Red Poll Cattle Club of America, Santa Gertrudis Breeders International, Simbrah Association, South Devon Breed Society, Sussex Cattle Association of America, Texas Longhorn Breeders Association of America, and White Park Cattle Association of America.

Registered cattle. Cattle for which individual records of ancestry are recorded and maintained by a breed association whose purpose is the improvement of the bovine species, and for which individual registration certificates are issued and recorded by such breed association.

Registered swine. Any breeding swine for which a certificate of pure breeding has been issued by a purebred swine association.

Sexually intact exposed female calf. A female bovine less than 6 months of age that is nursed by a brucellosis reactor at the time such reactor is condemned, and that has not been altered to make it incapable of reproduction.

Specifically approved stockyard. Premises approved by the Administrator, in accordance with §71.20 of this chapter, for assembling cattle or bison for sale.[2]

State. Any State, the District of Columbia, Puerto Rico, the Virgin Islands of the United States, Guam, the Northern Mariana Islands, or any other territory or possession of the United States.

State animal health official. The individual employed by a State who is responsible for livestock and poultry disease control and eradication programs in that State.

State representative. An individual employed in animal health activities by a State or a political subdivision thereof, and who is authorized by such State or political subdivision to perform the function involved under a cooperative agreement with the United States Department of Agriculture.

Unofficial vaccinate. Any cattle or bison which have been vaccinated for brucellosis other than in accordance with the provisions for official vaccinates set forth in §78.1 of this chapter.

Veterinarian in Charge. The veterinary official of the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is assigned by the Administrator to supervise and perform offical animal health work of the Animal and Plant Health Inspection Service, in the State concerned.

(Secs. 3, 4, 5, 11, and 13, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791–792, as amended; sec. 3, 33 Stat. 1265, as amended; sec. 3, 76 Stat. 130 (21 U.S.C. 111–113, 114, 114a–1, 120, 121, 125, 134b); 7 CFR 2.17, 2.51, and 371.2(d))

[42 FR 64336, Dec. 23, 1977]

EDITORIAL NOTE: For Federal Register citations affecting §51.1, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 51.2 Cooperation with States.

The Administrator has been delegated the authority to cooperate with the proper State authorities in the eradication of brucellosis and to pay

[2] Notices containing lists of specifically approved stockyards are published in the FEDERAL REGISTER. Lists of specifically approved stockyards also may be obtained from the State animal health official, State representatives, or APHIS representatives.

indemnities for the destruction of brucellosis-reactor animals or brucellosis-exposed animals.

[42 FR 64336, Dec. 23, 1977, as amended at 54 FR 32435, Aug. 8, 1989]

§51.3 Payment to owners for animals destroyed.

(a) *Cattle and bison.* The Administrator may authorize the payment of Federal indemnity by the U.S. Department of Agriculture to any owner whose cattle or bison are destroyed after having been approved for destruction by APHIS under the brucellosis eradication program.[3] In all cases, the amount of Federal indemnity will be determined in accordance with the regulations in this part that were in effect on the date that reactors were found or the date that whole-herd depopulation or destruction of individual animals was approved. Prior to payment of indemnity, proof of destruction[4] must be furnished to the Veterinarian in Charge.

(1) *Eligibility for indemnity.* Owners of the following types of animals destroyed because of brucellosis are eligible to receive Federal indemnity for their animals:

(i) Cattle and bison identified as reactors as a result of a complete herd test and any sexually intact exposed female calves;

(ii) Cattle and bison in a herd that has been approved for depopulation; and

(iii) Brucellosis-exposed cattle and brucellosis-exposed bison that were previously sold or traded from any herd that was, subsequent to the sale or trade, found to be affected with brucellosis. Epidemiological information such as test results, herd history, and related evidence will be used to establish a probable date when the herd was first affected with brucellosis. Animals sold after that date will be considered to be exposed; those sold before that date will not.

(2) *Maximum per-head indemnity amounts.* Owners of the types of animals described in §51.3(a)(1) are eligible to receive Federal indemnity for their animals in the following amounts:

(i) *Brucellosis reactors and sexually intact exposed female calves.* Except for brucellosis reactors and sexually intact exposed female calves destroyed as part of a whole-herd depopulation, the indemnity for cattle and bison that are brucellosis reactors shall not exceed $250 for any registered cattle and nonregistered dairy cattle or $50 for any bison or nonregistered cattle other than dairy cattle, and the indemnity for sexually intact exposed female calves shall not exceed $50.

(ii) *Herd depopulations and individual exposed animals.* Owners of herds that have been approved for depopulation and owners of brucellosis-exposed cattle and brucellosis-exposed bison that meet the conditions of §51.3 (a)(1)(iii) may choose either of the two methods described in paragraphs (a)(2)(ii)(A) and (a)(2)(ii)(B) of this section, involving fair market value of the animal to be destroyed or a fixed rate, for determining the maximum amounts of indemnity they may receive.[3] The method chosen must be used for all animals to be destroyed. Owners have the option of having an appraisal done prior to choosing the method used. Appraisals will be conducted by an independent appraiser selected by the Administrator. The cost of the appraisals will be borne by APHIS.

(A) *Appraisal method.* Each eligible animal will be appraised to determine

[3] The Administrator shall authorize payment of Federal indemnity by the U.S. Department of Agriculture at the maximum per-head rates in §51.3: (a) As long as sufficient funds appropriated by Congress appear to be available for this purpose for the remainder of the fiscal year; (b) in States or areas not under Federal quarantine; (c) in States requesting payment of Federal indemnity; and (d) in States not requesting a lower rate.

[4] The Veterinarian in Charge shall accept any of the following documents as proof of destruction: (a) A postmortem report; (b) a meat inspection certification of slaughter; (c) a written statement by a State representative, APHIS representative, or accredited veterinarian attesting to the destruction of the animal; (d) a written, sworn statement by the owner or caretaker of the animal attesting to the destruction of the animal; (e) a permit (VS Form 1–27) consigning the animal from a farm or livestock market directly to a recognized slaughtering establishment; or (f) in unique situations where the documents listed above are not available, other similarly reliable forms of proof of destruction.

its fair market value. The indemnity shall be the appraised value, minus the salvage value.

(B) *Fixed-rate method.* The indemnity shall not exceed $250 per animal for bison and nonregistered cattle other than dairy cattle and $750 per animal for registered cattle and nonregistered dairy cattle.

(b) *Swine.* (1) *Brucellosis reactor swine.* The Administrator may authorize[3] the payment of Federal indemnity by the United States Department of Agriculture to an owner whose breeding swine are destroyed as brucellosis reactors. The indemnity shall not exceed $25 per head for registered, inbred, or hybrid swine, or $10 per head for all other breeding swine. Prior to payment of indemnity, proof of destruction[4] shall be furnished to the Veterinarian in Charge.

(2) *Herd depopulation.* The Administrator may authorize[3] the payment of Federal indemnity by the United States Department of Agriculture to an owner whose herd of breeding swine or whose whole herd is destroyed because of brucellosis. The indemnity shall not exceed $150 per head for registered, inbred, or hybrid breeding swine, and $65 per head for all other breeding swine, except that in the case of whole herd depopulation, indemnity payments shall be paid on all swine in the herd at fair market value, as determined by the Administrator, based on an appraisal conducted by an independent appraiser assigned by the Administrator. In cases where indemnity is paid for whole herd depopulation, indemnity payments, plus any salvage, must not exceed the appraised value of each animal. Indemnity payment shall be made only for brucellosis exposed swine or for swine from a herd known to be affected and only when the Administrator determines that the destruction of all swine in the herd will contribute to the Brucellosis Eradication Program. Prior to payment of indemnity, proof of destruction[4] shall be furnished to the Veterinarian in Charge.

(3) *Exposed swine.* The Administrator may authorize[3] the payment of Federal indemnity by the United States Department of Agriculture to an owner whose breeding swine are destroyed because of brucellosis. The indemnity shall not exceed $150 per head for registered, inbred, or hybrid swine, or $65 per head for all other breeding swine. Indemnity payment shall be made only for such brucellosis exposed swine and only when the Administrator determines that the destruction of such swine will contribute to the Brucellosis Eradication Program. Prior to payment of indemnity, proof of destruction[4] shall be furnished to the Veterinarian in Charge.

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[42 FR 64336, Dec. 23, 1977, as amended at 45 FR 43679, June 27, 1980; 46 FR 13673, Feb. 23, 1981; 46 FR 57027, Nov. 20, 1981; 47 FR 53323, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 51 FR 11300, Apr. 2, 1986; 54 FR 32435, Aug. 8, 1989; 56 FR 18505, 18506, Apr. 23, 1991; 57 FR 49376, Nov. 2, 1992; 57 FR 60086, Dec. 18, 1992; 59 FR 12533, Mar. 17, 1994, 59 FR 21635, Apr. 26, 1994; 59 FR 52235, Oct. 17, 1994; 63 FR 15284, Mar. 31, 1998; 63 FR 47423, Sept. 8, 1998]

§ 51.4 Record of tests.

The claimant shall be responsible for providing information to an APHIS representative, State representative, or accredited veterinarian so that a complete test record may be made by such person on an APHIS approved form for each herd known to be affected, including the reactor tag number of each brucellosis reactor animal and the registration name and number of each brucellosis reactor registered animal. A copy of the applicable test record shall be given to the owner of any such herd, and one copy of each such record shall be furnished to the appropriate State veterinarian's office by such person who completes the test record.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977, as amended at 48 FR 57472, Dec. 30, 1983; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991]

§ 51.5 Identification of animals to be destroyed because of brucellosis.

(a) The claimant shall be responsible for insuring that any animal for which indemnity is claimed shall be identified in accordance with the provisions of this section within 15 days after having been classified as a reactor or for

any other animal subject to this part within 15 days after having been condemned. The veterinarian in charge may extend the time limit to 30 days when a request for such extension is received by him prior to the expiration date of the original 15 day period allowed, and when he determines that the extension will not adversely affect the brucellosis eradication program; and except further, that the Administrator shall upon request in specific cases, extend the time limit beyond the 30-day period when unusual or unforeseen circumstances occur which prevent or hinder the identification of the animals within the 30-day period, such as, but not limited to, floods, storms, or other Acts of God which are beyond the control of the owner, or when identification is delayed due to requirements of another Federal Agency.

(b) Except as provided in paragraph (b)(4) of this section, cattle and bison to be destroyed because of brucellosis shall be individually identified prior to moving interstate by attaching to the left ear a metal tag bearing a serial number and the inscription ''U.S. Reactor,'' or a similar State reactor tag, and must be:

(1) ''B'' branded (as defined in §78.1); or

(2) Accompanied directly to slaughter by an APHIS or State representative; or

(3) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit.

(4) Reactor and exposed cattle and bison in herds scheduled for herd depopulation may be moved interstate without eartagging or branding if they are identified by USDA approved backtags and either accompanied directly to slaughter by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(c) Swine shall be individually identified by tagging with a metal tag bearing a serial number and inscription ''U.S. Reactor'' or a similar State reactor tag or other identification approved by the Administrator, upon request in specific cases, attached to the left ear of each animal.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977, as amended at 47 FR 53324, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991; 60 FR 48367, Sept. 19, 1995]

§51.6 Destruction of animals; time limit for destruction of animals.

(a) *Cattle.* The claimant shall be responsible for ensuring that cattle subject to this part shall be sold under permit to a recognized slaughtering establishment or to a specifically approved stockyard for sale to a recognized slaughtering establishment.

(b) *Bison.* The claimant shall be responsible for insuring that bison subject to this part shall be sold under permit to a State or Federal slaughtering establishment approved by the Administrator for this purpose or to a stockyard approved by the Administrator for sale to such a slaughtering establishment, *Provided, However,* That the Administrator may approve such other bison slaughtering establishments as may be deemed necessary to accomplish destruction of bison subject to this part.

(c) *Swine.* The claimant shall be responsible for insuring that swine subject to this part shall be sold under permit to a slaughtering establishment where State or Federal Meat inspection is available, or to a market approved by the State Animal Health Official, or to a market approved by the Administrator, for sale to such slaughtering establishment;[5] except that in the case of indemnity for whole herd depopulation, as provided for in §51.3, swine shall be destroyed, if possible, on the premises where the animals are held or penned at the time the indemnity is

[5] Markets are approved by the Administrator in accordance with §76.18 of this chapter.

approved, or may be moved for destruction to another location when movement to the location is approved in advance by an APHIS representative. In cases where the swine are destroyed other than at a slaughtering establishment, the carcasses of the swine shall be disposed of by burial, incineration, or other disposal means authorized by applicable State law. The destruction and disposition of animals destroyed in accordance with this section other than at a slaughtering establishment shall be performed in the presence of an APHIS representative.

(d) *Time limit for destruction of animals.* Payment of indemnity shall be made under this part only if the animals are destroyed within 15 days after the date of identification, pursuant to § 51.5 of the regulations in this part, except that the appropriate Veterinarian in Charge may extend the time limit to 30 days when request for such extension is received from the owner prior to the expiration date of the original 15–day period allowed, or when the animals were sold for slaughter prior to the expiration date of the original 15–day period, and when the Veterinarian in Charge determines that such extension will not adversely affect the Brucellosis Eradication Program; and except further, that the Administrator shall, upon request in specific cases, extend the time limit beyond the 30-day period when unusual and unforeseen circumstances occur which prevent or hinder the destruction of the animals within the 30-day period, such as, but not limited to, floods, storms, or other Acts of God which are beyond the control of the owner, or when destruction is delayed due to requirements of another Federal Agency.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977, as amended at 45 FR 43680, June 27, 1980; 45 FR 86410, Dec. 31, 1980; 46 FR 5861, Jan. 21, 1981; 47 FR 53324, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 51 FR 11300, Apr. 2, 1986; 51 FR 32599, Sept. 12, 1986; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991; 59 FR 12533, Mar. 17, 1994]

§ 51.7 Claims for indemnity.

(a) Claims for indemnity for animals destroyed because of brucellosis shall be presented on indemnity claim forms furnished by APHIS on which the owner of the animals covered thereby shall certify that the animals are or are not subject to any mortgage as defined in this part. If the owner states there is a mortgage, the APHIS indemnity claim form shall be signed by the owner and by each person holding a mortgage on the animals, consenting to the payment of any indemnity allowed to the person specified thereon. Payment will be made only if the claimant has submitted a complete indemnity claim form to, and such claim has been approved by the Veterinarian in Charge or by an APHIS representative designated by him. On claims for indemnity made under the provisions of § 51.3, the Veterinarian in Charge or an APHIS representative designated by him shall record on the APHIS indemnity claim form the amount of Federal and State indemnity payments that appear to be due to the owner of the animals. The owner of the animals shall be furnished a copy of the completed APHIS indemnity claim form. The Veterinarian in Charge or an APHIS representative designated by him shall then forward the completed APHIS indemnity claim form to the Administrator for further action on the claim. No charges for holding the animals on the farm pending slaughter or for trucking by the owner shall be so deducted or otherwise paid by the United States Department of Agriculture.

(b) Claims for indemnity for registered cattle shall be accompanied by the cattle's registration papers issued in the name of the owner. If the registration papers are unavailable or if the cattle are less than 1 year old and are not registered at the time the claim for indemnity is submitted, the Veterinarian in Charge may grant a 60-day extension or the Administrator may grant an extension longer than 60 days for the presentation of registration papers.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977. Redesignated at 46 FR 13674, Feb. 23, 1981, and 47 FR 53324, Nov. 26, 1982, and amended at 47 FR 53324, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991]

§51.8 Disinfection of premises, conveyances, and materials.

All premises, including all structures, holding facilities, conveyances, and materials, contaminated because of occupation or use by brucellosis reactor or exposed animals shall be properly cleaned and disinfected with a disinfectant permitted by APHIS in accordance with recommendations of the APHIS or State representative within 15 days from the date reactors were removed from the premises, except that the appropriate Veterinarian in Charge may extend the time limit for disinfection to 30 days when request for such extension is received by him prior to the expiration date of the original 15-day period allowed, and when he determines that such extension will not adversely affect the Brucellosis Eradication Program; and except further, that the Administrator may, upon request in specific cases, extend the time limit beyond the 30-day period when unusual and unforeseen circumstances occur, such as but not limited to floods, storms, or other Acts of God, which are beyond the control of the owner, preventing or hindering the disinfection of premises, conveyances, and materials. Certain premises may be exempted from such cleaning and disinfecting requirements by approval of the appropriate Veterinarian in Charge on written recommendations by the APHIS or State representative or when a written report by the APHIS or State representative determines that there are no buildings, holding facilities, conveyances, or other materials on the premises that would require such cleaning and disinfection.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977. Redesignated at 46 FR 13674, Feb. 23, 1981, and 47 FR 53324, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991]

§51.9 Claims not allowed.

Claims for compensation for animals destroyed because of brucellosis shall not be allowed if any of the following circumstances exist:

(a) If the claimant has failed to comply with any of the requirements of this part.

(b) If the existence of brucellosis in the animal was determined based on the results of an official test, as defined in §78.1 of this chapter, and specific instructions for the administration of the official test had not previously been issued to the individual performing the test by APHIS and the State animal health official.

(c) If all cattle, bison, and swine eligible for testing in the claimant's herd have not been tested for brucellosis under APHIS or State supervision.

(d) If the animals are:

(1) Barrows or gilts maintained for feeding purposes; or

(2) Spayed heifers or steers, unless the steers are work oxen, or unless the spayed heifers or steers are unweaned animals in a herd approved for depopulation in accordance with §51.3 of this part.

(e) If the animals are classified as reactors and are unofficial vaccinates, unless there is either a record of a negative official test made not less than 30 days following the date of unofficial vaccination or unless other APHIS approved tests show the unofficial vaccinates are affected with virulent Brucella.

(f) If there is substantial evidence that the owner or his agent has in any way been responsible for any unlawful or improper attempt to obtain indemnity funds for such animal.

(g) If, at the time of test or condemnation, the animals belonged to or were upon the premises of any person to whom they had been sold for slaughter; shipped for slaugher, or delivered for slaughter.

(h) If any known brucellosis reactor animal remains in the herd, unless, in the opinion of the Veterinarian in Charge, a reasonable search has been made for the brucellosis reactor animal and the brucellosis reactor animal could not be found and removed.

(i) If the animals are brucellosis reactor animals which are slaughtered other than as part of a herd depopulation, and which are from a herd: (1) That was already classified as a ''herd known to be affected'' at the time the animals were identified as brucellosis reactor animals and (2) for which an approved action plan or approved individual herd plan (as defined in §78.1 of

this chapter) was not in effect at the time the claim was filed.

(Approved by the Office of Management and Budget under control number 0579–0047)

[42 FR 64336, Dec. 23, 1977. Redesignated at 46 FR 13674, Feb. 23, 1981, and 47 FR 53324, Nov. 26, 1982, and amended at 47 FR 53324, Nov. 26, 1982; 48 FR 57472, Dec. 30, 1983; 50 FR 11993, Mar. 27, 1985; 50 FR 47036, Nov. 14, 1985; 51 FR 11300, Apr. 2, 1986; 54 FR 32435, Aug. 8, 1989; 56 FR 18506, Apr. 23, 1991; 63 FR 47423, Sept. 8, 1998]

§ 51.10 Part 53 of this chapter not applicable.

No claim for indemnity for animals destroyed because of brucellosis shall hereafter be paid under the regulations contained in part 53 of this chapter, but all such claims shall be presented and paid pursuant to and in compliance with regulations contained in this part.

[42 FR 64336, Dec. 23, 1977. Redesignated at 46 FR 13674, Feb. 23, 1981, and 47 FR 53324, Nov. 26, 1982; 50 FR 11993, Mar. 27, 1985]

PART 52—SWINE DESTROYED BECAUSE OF PSEUDORABIES

Sec.
52.1 Definitions.
52.2 Payment of indemnity.
52.3 Appraisal of swine.
52.4 Disinfection of premises, conveyances, and materials.
52.5 Presentation of claims.
52.6 Mortgage against animals.
52.7 Claims not allowed.

AUTHORITY: 21 U.S.C. 111–113, 114, 114a, 114a–1, 120, 121, 125, and 134b; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 64 FR 2549, Jan. 15, 1999, unless otherwise noted.

§ 52.1 Definitions.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

APHIS employee. Any individual employed by the Animal and Plant Health Inspection Service who is authorized by the Administrator to do any work or perform any duty in connection with the control and eradication of disease.

Approved differential pseudorabies test. Any test for the diagnosis of pseudorabies that can distinguish vaccinated swine from infected swine; is produced under license from the Secretary of Agriculture under the Virus-Serum-Toxin Act of March 4, 1913, and subsequent amendments (21 U.S.C. 151 *et seq.*) with indications for use in the Cooperative State-Federal Pseudorabies Eradication Program; and is conducted in a laboratory approved by the Administrator.[1]

Department. The United States Department of Agriculture.

Herd. Any group of swine maintained on common ground for any purpose, or two or more groups of swine under common ownership or supervision, that are geographically separated but have an interchange or movement of animals without regard to whether the animals are infected with or exposed to pseudorabies.

Inspector in charge. An APHIS employee who is designated by the Administrator to take charge of work in connection with the control and eradication of disease.

Known infected herd. Any herd in which swine have been determined to be infected with pseudorabies based on

[1] The names and addresses of laboratories approved by the Administrator to conduct approved differential pseudorabies tests are published in the Notices Section of the FEDERAL REGISTER. A list of approved laboratories is also available upon request from the Animal and Plant Health Inspection Service, 4700 River Road Unit 37, Riverdale, Maryland 20737–1231. State, Federal, and university laboratories will be approved by the Administrator when he or she determines that the laboratory: employs personnel trained at the National Veterinary Services Laboratories assigned to supervise the testing; follows standard test protocols; meets check test proficiency requirements; and will report all test results to State and Federal animal health officials. Before the Administrator may withdraw approval of any laboratory for failure to meet any of these conditions, the Administrator must give written notice of the proposed withdrawal to the director of the laboratory, and must give the director an opportunity to respond. If there are conflicts as to any material fact, a hearing will be held to resolve the conflict.

an official pseudorabies test or an approved differential pseudorabies test, or as diagnosed by an official pseudorabies epidemiologist as having pseudorabies.

Materials. Parts of barns or other structures, straw, hay, and other feed for animals, farm products or equipment, clothing, and articles stored in or adjacent to barns or other structures.

Mortgage. Any mortgage, lien, or other security or beneficial interest held by any person other than the one claiming indemnity.

Official pseudorabies epidemiologist. A State or Federally employed veterinarian designated by the State animal health official and the veterinarian in charge to investigate and diagnose pseudorabies in livestock.

Official pseudorabies test. Any test for the diagnosis of pseudorabies approved by the Administrator and conducted in a laboratory approved by the Administrator. The following tests for the diagnosis of pseudorabies have been approved by the Administrator: Microtitration Serum-Virus Neutralization Test; Virus Isolation and Identification Test; Fluorescent Antibody Tissue Section Test; Enzyme-Linked Immunosorbent Assay (ELISA) Test, except for approved differential pseudorabies tests other than the glycoprotein I (gpI) ELISA test; Latex Agglutination Test (LAT); and Particle Concentration Fluorescence Immunoassay (PCFIA) Test. [2] State, Federal, and university laboratories will be approved by the Administrator following his determination that the laboratory: has personnel trained at the Veterinary Services Diagnostic Laboratory at Ames, Iowa, assigned to supervise the test; follows standard test protocol; meets check test proficiency requirements; and will report all test results to State and Federal animal health officials.[3]

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other legal entity.

Pseudorabies. The contagious, infectious, and communicable disease of livestock and other animals, also known as Aujeszky's disease, mad itch, or infectious bulbar paralysis.

Secretary. The Secretary of Agriculture of the United States, or any officer or employee of the Department delegated to act in the Secretary's stead.

State. Each of the States of the United States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, Guam, the Virgin Islands of the United States, or any other territory or possession of the United States.

State representative. A person regularly employed in the animal health work of a State and who is authorized by that State to perform the function involved under a cooperative agreement with the United States Department of Agriculture.

Veterinarian in charge. The veterinary official of Veterinary Services, APHIS, who is assigned by the Administrator to supervise and perform official animal health work for APHIS in the State concerned.

§ 52.2 Payment of indemnity.

The Administrator is hereby authorized to agree, on the part of the Department, to pay 100 percent of the expenses of purchase, destruction and disposition of herds of swine that are destroyed because the herds are known to be infected with pseudorabies.

§ 52.3 Appraisal of swine.

(a) Herds of swine destroyed because the herds are known to be infected with pseudorabies will be appraised by

[2] Copies of the test protocols (Recommended Minimum Standards for Diagnostic Tests Employed in the Diagnosis of Pseudorabies (Aujeszky's Disease) are available upon request from the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, MD 20737–1231.

[3] Before the Administrator withdraws the approval of any laboratory, the Director of the laboratory will be given a notice by the Administrator of the proposed disapproval and the reasons for it, and the Director will have the opportunity to respond. In those instances where there are conflicts as to the facts, a hearing will be held to resolve such conflicts.

an APHIS employee and a representative of the State jointly, or, if the State authorities approve, by an APHIS employee alone.

(b) The appraisal of swine will be based on the fair market value as determined by the meat or breeding value of the animals. Animals may be appraised in groups, provided that where appraisal is by the head, each animal in the group is the same value per head, and where appraisal is by the pound, each animal in the group is the same value per pound.

(c) Appraisals of swine must be reported on forms furnished by APHIS and signed by the owner of the swine. Reports of appraisals must show the number of swine and the value per head or the weight and value by pound.

(Approved by the Office of Management and Budget under control number 0579–0137)

§ 52.4 Disinfection of premises, conveyances, and materials.

All premises, including barns, stockyards and pens, and all cars and other conveyances, and the materials on any premises or conveyances used to house or transport swine for which indemnity is paid under this part must be cleaned and disinfected under the supervision of an APHIS employee after removal of the swine from the known infected herd. Premises may be restocked with swine 30 days following an approved cleaning and disinfection, unless an official pseudorabies epidemiologist determines that a shorter or longer period of time is adequate or necessary to protect new animals against infection. The owner to whom the indemnity is paid will be responsible for expenses incurred in connection with the cleaning and disinfection, except for cleaning and disinfection of the conveyances used to transport the swine to the location of disposal.

[64 FR 13065, Mar. 17, 1999]

§ 52.5 Presentation of claims.

Claims for compensation for the value of animals destroyed must each be presented, through the inspector in charge, to APHIS on a form furnished by APHIS.

(Approved by the Office of Management and Budget under control number 0579–0137).

§ 52.6 Mortgage against animals.

When swine have been destroyed under this part, any claim for indemnity must be presented on forms furnished by APHIS. The owner of the swine must certify on the forms that the swine covered are, or are not, subject to any mortgage as defined in this part. If the owner states there is a mortgage, the owner and each person holding a mortgage on the swine must sign, consenting to the payment of indemnity to the person specified on the form.

(Approved by the Office of Management and Budget under control number 0579–0137).

§ 52.7 Claims not allowed.

(a) The Department will not allow claims arising out of the destruction of swine unless the swine have been appraised as prescribed in this part and the owners have signed a written agreement to the appraisals.

(b) The Department will not allow claims arising out of the destruction of swine that have been moved or handled by the owner or a representative of the owner in violation of a law or regulation administered by the Secretary regarding animal disease, or in violation of a law or regulation for which the Secretary has entered into a cooperative agreement.

(Approved by the Office of Management and Budget under control number 0579–0137).

PART 53—FOOT-AND-MOUTH DISEASE, PLEUROPNEUMONIA, RINDERPEST, AND CERTAIN OTHER COMMUNICABLE DISEASES OF LIVESTOCK OR POULTRY

Sec.

53.1 Definitions.
53.2 Determination of existence of disease; agreements with States.
53.3 Appraisal of animals or materials.
53.4 Destruction of animals.
53.5 Disinfection or destruction of materials.
53.6 Disinfection of animals.
53.7 Disinfection of premises, conveyances, and materials.
53.8 Presentation of claims.
53.9 Mortgage against animals or materials.
53.10 Claims not allowed.

AUTHORITY: 21 U.S.C. 111, 114, 114a; 7 CFR 2.22, 2.80, and 371.2(d).

CROSS REFERENCE: For non-applicability of part 53 with respect to certain claims for indemnity, see §51.10 of this chapter.

§53.1 Definitions.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

Animals. Livestock, poultry, and all other members of the animal kingdom, including birds whether domesticated or wild, but not including man.

APHIS employee. Any individual employed by the Animal and Plant Health Inspection Service who is authorized by the Administrator to do any work or perform any duty in connection with the control and eradication of disease.

Bird. Any member of the class *aves* other than poultry.

Department. The United States Department of Agriculture.

Disease. Foot-and-mouth disease, rinderpest, contagious pleuropneumonia, exotic Newcastle disease, highly pathogenic avian influenza, or any other communicable disease of livestock or poultry that in the opinion of the Secretary constitutes an emergency and threatens the livestock or poultry of the United States.

Exotic Newcastle Disease (END). Any velogenic Newcastle disease. Exotic Newcastle disease is an acute, rapidly spreading, and usually fatal viral disease of birds and poultry.

Highly pathogenic avian influenza. (1) Any influenza virus that kills at least 75 percent of eight 4- to 6-week-old susceptible chickens within 10 days following intravenous inoculation with 0.2 ml of a 1:10 dilution of a bacteria-free, infectious allantoic fluid;

(2) Any H5 or H7 virus that does not meet the criteria in paragraph (1) of this definition, but has an amino acid sequence at the hemagglutinin cleavage site that is compatible with highly pathogenic avian influenza viruses; or

(3) Any influenza virus that is not an H5 or H7 subtype and that kills one to five chickens and grows in cell culture in the absence of trypsin.

Inspector in charge. An APHIS employee who is designated by the Administrator to take charge of work in connection with the control and eradication of disease.

Materials. Parts of barns or other structures, straw, hay, and other feed for animals, farm products or equipment, clothing, and articles stored in or adjacent to barns or other structures.

Mortgage. Any mortgage, lien, or other security or beneficial interest held by any person other than the one claiming indemnity.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other legal entity.

Pet bird. Any bird that is kept for personal pleasure and is not for sale.

Poultry. Chickens, ducks, geese, swans, turkeys, pigeons, doves, pheasants, grouse, partridges, quail, guinea fowl, and pea fowl.

Secretary. The Secretary of Agriculture of the United States, or any officer or employee of the Department to whom authority has been or may be delegated to act in the Secretary's stead.

State. Each of the States of the United States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, Guam, the Virgin Islands of the United States, or any other territory or possession of the United States.

[61 FR 56882, Nov. 5, 1996]

§53.2 Determination of existence of disease; agreements with States.

(a) The Director of Division is hereby authorized to invite the proper State authorities to cooperate with the Department in the control and eradication of any disease within the meaning of §53.1(f).

(b) Upon agreement of the authorities of the State to enforce quarantine restrictions and orders and directives properly issued in the control and eradication of such a disease, the Director of Division is hereby authorized to agree, on the part of the Department, to cooperate with the State in the control and eradication of the disease, and to pay 50 percent (and in the case of exotic Newcastle disease or highly pathogenic avian influenza, up to 100 percent) of the expenses of purchase, destruction and disposition of

animals and materials required to be destroyed because of being contaminated by or exposed to such disease: *Provided, however,* That if the animals were exposed to such disease prior to or during interstate movement and are not eligible to receive indemnity from any State, the Department may pay up to 100 percent of the purchase, destruction, and disposition of animals and materials required to be destroyed: *Provided, further,* That the cooperative program for the purchase, destruction, and disposition of birds shall be limited to birds which are identified in documentation pursuant to Cooperative Agreements,[1] as constituting a threat to the poultry industry of the United States: *And provided further,* That the Secretary may authorize other arrangements for the payment of such expenses upon finding that an extraordinary emergency exists.

[37 FR 5689, Mar. 18, 1972, as amended at 49 FR 3448, Jan. 27, 1984; 49 FR 26712, June 29, 1984; 61 FR 56883, Nov. 5, 1996]

§ 53.3 Appraisal of animals or materials.

(a) Animals affected by or exposed to disease, and materials required to be destroyed because of being contaminated by or exposed to disease shall be appraised by an APHIS employee and a representative of the State jointly, or, if the State authorities approve, by an APHIS employee alone.

(b) The appraisal of animals shall be based on the fair market value and shall be determined by the meat, egg production, dairy or breeding value of such animals. Animals may be appraised in groups providing they are the same species and type and providing that where appraisal is by the head each animal in the group is the same value per head or where appraisal is by the pound each animal in the group is the same value per pound.

(c) Appraisals of animals shall be reported on forms furnished by APHIS. Reports of appraisals shall show the number of animals of each species and the value per head or the weight and value by pound.

(d) Appraisals of materials shall be reported on forms furnished by APHIS. Reports of appraisals of materials shall, when practicable, show the number, size or quantity, unit price, and total value of each kind of material appraised.

(21 U.S.C. 112, 113, 115, 117, 120, 121, 134b)

[28 FR 5935, June 13, 1963, as amended at 35 FR 13981, Sept. 3, 1970; 36 FR 25217, Dec. 30, 1971; 56 FR 51974, Oct. 17, 1991]

§ 53.4 Destruction of animals.

(a) Animals affected by or exposed to disease shall be killed promptly after appraisal and disposed of by burial or burning, unless otherwise specifically provided by the Administrator in extraordinary circumstances.

(b) The killing of animals and the burial, burning, or other disposal of carcasses of animals pursuant to the regulations in this part shall be supervised by an APHIS employee who shall prepare and transmit to the Administrator a report identifying the animals and showing the disposition thereof.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.5 Disinfection or destruction of materials.

(a) In order to prevent the spread of disease, materials contaminated by or exposed to disease shall be disinfected: *Provided, however,* That in all cases in which the cost of disinfection would exceed the value of the materials or disinfection would be impracticable for any reason, the materials shall be destroyed, after appraisal as provided in § 53.3.

(b) The disinfection or destruction of materials under this section shall be under the supervision of an APHIS employee who shall prepare and transmit to the Administrator a certificate identifying all materials which are destroyed, showing the disposition thereof.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.6 Disinfection of animals.

Animals of species not susceptible to the disease for which a quarantine has

[1] Agreements between the Departments and the particular State involved relating to cooperative animal (including poultry) disease prevention, control, and eradication.

been established, but which have been exposed to the disease, shall be disinfected when necessary by such methods as the Administrator shall prescribe from time to time.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.7 Disinfection of premises, conveyances, and materials.

All premises, including barns, corrals, stockyards and pens, and all cars, vessels, aircraft, and other conveyances, and the materials thereon, shall be cleaned and disinfected under supervision of an APHIS employee whenever necessary for the control and eradication of disease. Expenses incurred in connection with such cleaning and disinfection shall be shared according to the agreement reached under § 53.2 with the State in which the work is done.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.8 Presentation of claims.

Claims for (a) compensation for the value of animals, (b) cost of burial, burning or other disposition of animals, (c) the value of material destroyed, and (d) the expenses of destruction, shall each be presented, through the inspector in charge, to APHIS on separate vouchers in form approved by the Administrator.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.9 Mortgage against animals or materials.

When animals or materials have been destroyed pursuant to the requirements contained in this part, any claim for indemnity shall be presented on forms furnished by APHIS on which the owner of the animals or materials shall certify that the animals or materials covered thereby, are, or are not, subject to any mortgage as defined in this part. If the owner states there is a mortgage, forms furnished by APHIS shall be signed by the owner and by each person holding a mortgage on the animals or materials, consenting to the payment of any indemnity allowed to the person specified thereon.

[28 FR 5935, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 53.10 Claims not allowed.

(a) The Department will not allow claims arising under the terms of this part if the payee has not complied with all quarantine requirements.

(b) Expenses for the care and feeding of animals held for destruction will not be paid by the Department, unless the payment of such expense is specifically authorized or approved by the Administrator.

(c) The Department will not allow claims arising out of the destruction of animals or materials unless they shall have been appraised as prescribed in this part and the owners thereof shall have executed a written agreement to the appraisals.

(d) The Department will not allow claims arising out of the destruction of animals or materials which have been moved or handled by the owner thereof or its officer, employee, or agent, acting within the scope of his or its office, employment or agency, in violation of a law or regulation administered by the Secretary for the prevention of the introduction into or the dissemination within the United States of any communicable disease of livestock or poultry for which the animal or material was destroyed, or in violation of a law or regulation for the enforcement of which the Secretary enters or has entered into a cooperative agreement for the control and eradication of such disease.

[28 FR 5935, June 13, 1963, as amended at 45 FR 86411, Dec. 31, 1980; 56 FR 51974]

PART 54—CONTROL OF SCRAPIE

Sec.

54.1 Definitions.

Subpart A [Reserved]

Subpart B—Voluntary Scrapie Flock Certification Program

54.10 Administration.
54.11 Participation.
54.12 State Scrapie Certification Boards.
54.13 Cooperative agreements with States.

AUTHORITY: 21 U.S.C. 111, 114, 114a, and 134a–134h; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5936, June 13, 1963, unless otherwise noted.

§ 54.1 Definitions.

For the purpose of this part, the following words, names, and terms shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with part 161 of this chapter to perform functions specified in parts 1, 2, 3, and 11 of subchapter A of this chapter and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator of the Animal and Plant Health Inspection Service, or any employee of the United States Department of Agriculture to whom the Administrator has delegated authority to act in his or her stead.

Affected animal. An animal for which a diagnosis of scrapie has been made by an APHIS representative or State representative.

Animal. A sheep or goat.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service, United States Department of Agriculture.

APHIS. The Animal and Plant Health Inspection Service, United States Department of Agriculture.

APHIS representative. An individual employed by APHIS in animal health activities who is authorized by the Administrator to perform the function involved.

Area Veterinarian in Charge. The veterinary official of APHIS, who is assigned by the Administrator to supervise and perform the official animal health work of the APHIS in the State concerned.

Bloodline animal. The dam of an affected animal and the dam's first generation progeny, the maternal granddam of an affected animal, the first generation progeny of an affected animal, and all succeeding generations of female progeny from female progeny of an affected female animal.

Breed association and registries. Organizations which maintain the permanent records of ancestry or pedigrees of animals (including the animal's sire and dam), individual identification of animals, and ownership of animals.

Department. The U.S. Department of Agriculture.

Destroyed. Killed by slaughter or by such other means as may be authorized by the Administrator in an exceptional situation.

Exposed animal. Any animal which has been in the same flock at the same time within the previous 60 months as a scrapie-positive animal, excluding limited contacts. Limited contacts are contacts between animals that occur off the premises of the flock, and do not occur during or immediately after parturition for any of the animals involved. Limited contacts do not include commingling (when animals concurrently share the same pen or same section in a transportation unit where there is uninhibited physical contact).

Flock. All animals maintained on any single premises; and all animals under common ownership or supervision on two or more premises which are geographically separated, but among which there is an interchange or movement of animals.

Flock plan. A written flock management agreement designated by the owner of a flock, an accredited veterinarian, and an APHIS representative or State representative in which each participant agrees to undertake actions specified in the flock plan to control the spread of scrapie from, and eradicate scrapie in, an infected flock, source flock, or trace flock. The flock plan shall require an edipemiologic investigation to identify high-risk animals that must be removed from the flock, and shall include other requirements found necessary by the APHIS representative or State representative to control scrapie in the flock. These other requirements may include, but are not limited to, cleaning and disinfection of flock premises, education of the owner of the flock and personnel working with the flock in techniques to recognize clinical signs of scrapie and control the spread of scrapie, and maintaining records of animals in the flock.

High-risk animal. An animal which is:

(1) The progeny of a scrapie-positive dam;

(2) Born in the same flock during the same lambing season as progeny of a

scrapie-positive dam, unless the progeny of the scrapie-positive dam are from separate contemporary lambing groups (groups that are managed as separate units and are not commingled during lambing and for 60 days following the date of the last lamb is born in a lambing season, and that do not use the same lambing facility unless the lambing facility is cleaned and disinfected between lambings by removing all organic matter and spraying the lambing facility with a 2 percent sodium hydroxide solution or 0.5 percent sodium hypochlorite solution); or

(3) Born in a source or trace flock during the same lambing season as a scrapie-positive ewe or ram in the same flock.

Infected flock. Any flock in which an APHIS representative or a State representative has determined an animal to be a scrapie-positive animal after March 31, 1989. A flock will no longer be an infected flock after it has completed the requirements of a flock plan.

Mortgage. Any mortgage, lien, or other security or beneficial interest held by any person other than the one claiming indemnity.

Owner. A person, partnership, company, or corporation who has legal or rightful title to animals whether or not they are subject to a mortgage.

Scrapie-positive animal. An animal for which a diagnosis of scrapie has been made by the National Veterinary Services Laboratories, United States Department of Agriculture, or another laboratory authorized by the Administrator to conduct scrapie tests in accordance with this part, through histological examinations of central nervous system samples from the animal for microscopic lesions in the form of neuronal vacuoles or spongy degeneration, or by the use of protease-resistant protein analysis or other confirmatory techniques used in conjunction with histological examinations.

Source flock. A flock in which an APHIS representative or a State representative has determined that at least two animals were born that were diagnosed as scrapie-positive animals at an age of 54 months or less. In order for the flock to be a source flock, the second scrapie-positive diagnosis must have been made within 60 months of the first scrapie-positive diagnosis and after March 31, 1989. A flock will no longer be a source flock after it has completed the requirements of a flock plan.

State. Any State or Territory or possession of the United States, the District of Columbia, or Puerto Rico.

State representative. An individual employed in animal health activities by a State or a political subdivision of a State, and who is authorized by the State or political subdivision to perform the function involved.

Trace flock. A flock in which an APHIS representative or a State representative has determined that one animal was born that was diagnosed as a scrapie-positive animal at an age of 54 months or less. In order for the flock to be a trace flock, the scrapie-positive diagnosis must have been made after March 31, 1989. A flock will no longer be a trace flock after it has completed the requirements of a flock plan.

Uniform methods and rules—voluntary scrapie flock certification. Uniform methods and rules for reducing the incidence and controlling the spread of scrapie through flock certification.[1]

[43 FR 41184, Sept. 15, 1978, as amended at 48 FR 16236, Apr. 15, 1983; 48 FR 38206, Aug. 23, 1983; 53 FR 2581, Jan. 29, 1988; 57 FR 33630, July 30, 1992; 59 FR 21920, Apr. 28, 1994; 59 FR 48993, Sept. 26, 1994; 59 FR 67612, Dec. 30, 1994]

Subpart A [Reserved]

Subpart B—Voluntary Scrapie Flock Certification Program

SOURCE: 57 FR 33631, July 30, 1992, unless otherwise noted.

§ 54.10 Administration.

(a) The Voluntary Scrapie Flock Certification Program is a cooperative effort between APHIS; members of the

[1] Individual copies of the UM&R may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231 or from the American Sheep Industry Association, Producer Services, 6911 S. Yosemite Street, Englewood, CO 80112–1414, telephone (303) 771–3500.

sheep and goat industry including owners of flocks, slaughterers and renderers, and breed associations and registeries; accredited veterinarians; and State governments. APHIS coordinates with State Scrapie Certification Boards and State animal health agencies to encourage flock owners to reduce the incidence of scrapie by voluntarily complying with the ''Uniform Methods and Rules—Voluntary Scrapie Flock Certification.''

§ 54.11 Participation.

Any owner of a flock may apply to enter the Voluntary Scrapie Flock Certification Program by sending a written request applying for enrollment to a State Scrapie Certification Board, or to the Administrator. A notice containing a current list of flocks participating in the Voluntary Scrapie Flock Certification Program, and the certification status of each flock, will be published in the FEDERAL REGISTER from time to time. This list may also be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

(Approved by the Office of Management and Budget under control number 0579–0101)

[57 FR 33631, July 30, 1992, as amended at 59 FR 67612, Dec. 30, 1994]

§ 54.12 State Scrapie Certification Boards.

An Area Veterinarian in Charge, after consulting with a State representative and industry representatives, may appoint a State Scrapie Certification Board for the purpose of coordinating activities for the Voluntary Scrapie Flock Certification Program, including making decisions to admit flocks to the Voluntary Scrapie Flock Certification Program and to change flock status in accordance with the ''Uniform Methods and Rules—Voluntary Scrapie Flock Certification.'' No more than one State Scrapie Certification Board may be formed in each State. Each State Scrapie Certification Board shall include as members the Area Veterinarian in Charge, one or more State representatives, one or more accredited veterinarians, and one or more owners of flocks, and at the discretion of the Area Veterinarian in Charge may include other members.

§ 54.13 Cooperative agreements with States.

APHIS may execute a cooperative agreement with the animal health agency of any State to cooperatively carry out administration of the Voluntary Scrapie Flock Certification Program within that State. These cooperative agreements will describe the respective roles of APHIS and State personnel in implementing the ''Uniform Methods and Rules—Voluntary Scrapie Flock Certification Program,'' and may: specify the financial, material, and personnel resources to be committed to the Voluntary Scrapie Flock Certification Program by APHIS and the State; assign specific Voluntary Scrapie Flock Certification Program activities to APHIS or State personnel; establish schedules for APHIS representatives or State representatives to visit participating flocks; establish procedures for maintaining and sharing Voluntary Scrapie Flock Certification Program records specified in the ''Uniform Methods and Rules—Voluntary Scrapie Flock Certification Program,'' and specify other responsibilities of State representatives and Veterinary Services representatives in support of the Voluntary Scrapie Flock Certification Program.

(Approved by the Office of Management and Budget under control number 0579–0101)

PARTS 55–56 [RESERVED]

SUBCHAPTER C—INTERSTATE TRANSPORTATION OF ANIMALS (INCLUDING POULTRY) AND ANIMAL PRODUCTS

PART 70—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER CERTAIN ACTS

Subpart A—General

Sec.

70.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

70.10 Stipulations.

AUTHORITY: Secs. 4–7, 23 Stat. 32, as amended; secs. 2 and 3, 32 Stat. 792, as amended; secs. 1, 3, 4, and 6, 33 Stat. 1264, 1265, as amended; sec. 11, 58 Stat. 734, as amended; sec. 2, 65 Stat. 693, as amended; secs. 3 and 4, 76 Stat. 130, sec. 6, 76 Stat. 131, as amended; sec. 11, 76 Stat. 132; 21 U.S.C. 111, 112, 114a, 114a–1, 115, 117, 120, 122, 123, 125–127, 134b, 134c, 134e, 134f; 7 CFR 2.22, 2.80, 371.2(d).

SOURCE: 48 FR 30094, June 30, 1983, unless otherwise noted.

Subpart A—General

§ 70.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under the following statutory provisions:

Act of May 29, 1884, commonly known as the Animal Industry Act, section 7, as amended (21 U.S.C. 117),

Act of February 2, 1903, commonly known as the Cattle Contagious Diseases Act of 1903, Section 3, as amended (21 U.S.C. 122),

Act of March 3, 1905, Section 6, as amended (21 U.S.C. 127),

Act of July 2, 1962, Section 6(a), as amended (21 U.S.C. 134e).

In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 70.10 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under any of the Acts listed in § 70.1, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administrator or the Administrator's delegate gives notice of an apparent violation of the Act, or the regulations issued thereunder, by such person and affords such person an opportunity for a hearing regarding the matter as provided by the Act;

(2) Such person expressly waives hearing and agrees to pay a specified penalty within a designated time; and

(3) The Administrator agrees to accept the penalty in settlement of the particular matter involved if the penalty is paid within the designated time.

(b) If the penalty is not paid within the time designated in such a stipulation, the amount of the stipulated penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

PART 71—GENERAL PROVISIONS

Sec.

71.1 Definitions.
71.2 Secretary to issue rule governing quarantine and interstate movement of diseased animals, including poultry.
71.3 Interstate movement of diseased animals and poultry generally prohibited.
71.4 Maintenance of certain facilities and premises in a sanitary condition required; cleaning and disinfection, when required; animals classed as ''exposed.''
71.5 Unsanitary railroad cars, trucks, boats, aircraft or other means of conveyance; interstate movement restricted.
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71.7 Means of conveyance, facilities, premises, and cages and other equipment; methods of cleaning and disinfecting.
71.10 Permitted disinfectants.
71.11 Cresylic disinfectant as permitted disinfectant; specifications.

71.12 Sodium orthophenylphenate as permitted disinfectant for premises infected with tuberculosis.
71.13 Inspection of shipments in transit by APHIS representative.
71.14 Slaughter of poultry or other animals to prevent spread of disease; ascertainment of value and compensation.
71.15 Movement from quarantined to free area and shipment therefrom; conditions under which permitted.
71.16 Inspection and certification of poultry or other animals for interstate movement.
71.17 Interstate movement of dead poultry or other animals prohibited in same car with live poultry or other animals.
71.18 Individual identification of certain cattle 2 years of age or over for movement in interstate commerce.
71.19 Identification of swine in interstate commerce.
71.20 Approval of livestock facilities.

AUTHORITY: 21 U.S.C. 111–113, 114a, 114a–1, 115–117, 120–126, 134b, and 134f; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5937, June 13, 1963, unless otherwise noted.

§ 71.1 Definitions.

As used in this part, the following terms shall have the meanings set forth in this section.

Accredited Veterinarian. A veterinarian who is approved by the Administrator, in accordance with part 161 of this chapter, to perform official animal health work of the Animal and Plant Health Inspection Service specified in subchapters A, B, C, and D of this chapter; and to perform work required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Approved livestock facility. A stockyard, livestock market, buying station, concentration point, or any other premises under State or Federal veterinary supervision where livestock are assembled and that has been approved under § 71.20.

Area Veterinarian in Charge. The veterinary official of APHIS, who is assigned by the Administrator to supervise and perform the official animal health work of the Animal and Plant Health Inspection Service in the state concerned.

Breeder swine. Sexually intact swine over 6 months of age.

Commingling. The mixing or assembling of swine from one premises with swine from any other premises, including, but not limited to, loading swine from more than one premises on the same truck, trailer, vessel, or railroad car, unless swine from different premises are kept separate on the means of conveyance by dividers.

Department. The United States Department of Agriculture.

Feeder swine. Swine under 6 months of age that are not slaughter swine.

Free area. The States, Territories, or the District of Columbia or portions thereof not quarantined by the Secretary of Agriculture for the specific contagious, infectious, or communicable animal disease mentioned in each part.

Horses. Horses, asses, mules, ponies, and zebras.

Interstate. From one State into or through any other State.

Interstate commerce. Trade, traffic, transportation, or other commerce between a place in a state and any place outside of that state, or between points within a state but through any place outside of that state.

Livestock. Horses, cattle, bison, sheep, and swine.

Livestock market. A stockyard, buying station, concentration point, or any other premises where livestock are assembled for sale or sale purposes.

Moved (movement) in interstate commerce. Moved from the point of origin of the interstate movement to the animals' final destination, such as a slaughtering establishment or a farm for breeding or raising, and including any temporary stops along the way, such as at a stockyard or dealer premises for feed, water, rest, or sale.

Official Brand Inspection Agency. The duly constituted body elected, appointed, or delegated or granted authority by a State or governmental subdivision thereof, to administer laws,

regulations, ordinances or rules pertaining to the brand identification of livestock.

Official brand inspection certificate. A certificate issued by an official brand inspection agency in any State in which such certificates are required for movement of livestock.

Official eartag. An identification eartag approved by APHIS as being tamper-resistant and providing unique identification for each animal. An official eartag may conform to the alpha-numeric National Uniform Eartagging System, or it may bear a valid premises identification number that is used in conjunction with the producer's livestock production numbering system to provide a unique identification number.

Official swine tattoo. A tattoo, conforming to the six-character alpha-numeric National Tattoo System, that provides a unique identification for each herd or lot of swine.

Person. Any individual, corporation, company, association, firm, partnership, society, or joint stock company, or other legal entity.

Premises identification number. A unique number assigned by the State animal health official to a livestock production unit that is, in the judgment of the State animal health official or area veterinarian in charge, epidemiolog-ically distinct from other livestock production units. A premises identification number shall consist of the State's two-letter postal abbreviation followed by the premises' assigned number. A premises identification number may be used in conjunction with a producer's own livestock production numbering system to provide a unique identification number for an animal.

Purebred registry association. A swine breed association formed and perpetuated for the maintenance of records of purebreeding of swine species for a specific breed whose characteristics are set forth in constitutions, by-laws, and other rules of the association.

Quarantined area. The States, Territories, or the District of Columbia or portions thereof quarantined by the Secretary of Agriculture for the specific contagious, infectious, or communicable animal disease mentioned in each part.

Slaughter swine. Swine being sold or moved for slaughter purposes only.

State. Any of the 50 states, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Mariana Islands, the District of Columbia, and any territories and possessions of the United States.

State animal health official. The state official responsible for livestock and poultry disease control and eradication programs.

State representative. An individual employed in animal health work by a state or a political subdivision thereof and authorized by such state or political subdivision to perform the function involved.

Tick infested. Infested with the ticks Boophilus annulatus (Margaropus annulatus), Boophilus microplus, or Rhipicephalus evertsi evertsi.

United States Department of Agriculture backtag. A backtag issued by APHIS that conforms to the eight-character alpha-numeric National Backtagging System, and that provides unique identification for each animal.

[28 FR 5937, June 13, 1963, as amended at 29 FR 14489, Oct. 22, 1964; 35 FR 14197, Sept. 9, 1970; 38 FR 18011, July 6, 1973; 50 FR 45987, Nov. 6, 1985; 51 FR 32599, Sept. 12, 1986, 53 FR 40385, Oct. 14, 1988; 55 FR 11155, 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27933, May 22, 1997; 62 FR 54758, Oct. 22, 1997]

§71.2 Secretary to issue rule governing quarantine and interstate movement of diseased animals, including poultry.

When the Secretary of Agriculture shall determine the fact that poultry or other animals in any State, Territory, or the District of Columbia are affected with any contagious, infectious, or communicable disease of livestock or poultry for which, in his opinion, a quarantine should be established or that other basis for a quarantine exists, notice will be given of that fact, and a rule will be issued accordingly, placing in quarantine such State, Territory, or the District of Columbia, or specified portion thereof. This rule will either absolutely forbid the interstate movement of the quarantined animals

from the quarantined area or will indicate the regulations under which interstate movements may be made.

[34 FR 15641, Oct. 9, 1969]

§ 71.3 Interstate movement of diseased animals and poultry generally prohibited.

(a) Animals or poultry affected with any of the following diseases, which are endemic to the United States: Equine piroplasmosis, bovine piroplasmosis or splenetic fever, scabies in cattle, pseudorabies, acute swine erysipelas, tuberculosis, paratuberculosis, brucellosis, scrapie, bluetongue, anthrax, chlamydiosis, poultry disease caused by *Salmonella enteritidis* serotype *enteritidis,* and Newcastle disease, or any other communicable disease which is endemic to the United States, or which are cattle fever tick infested, shall not be moved interstate.

(b) Animals or poultry affected with any of the following diseases, not known to exist in the United States: foot-and-mouth disease, rinderpest, African swine fever, hog cholera, Teschen disease, contagious bovine pleuropneumonia, European fowl pest, dourine, contagious equine metritis, vesicular exanthema, screwworms and glanders, scabies in sheep or any other communicable foreign disease not known to exist in the United States, shall not be moved interstate.

(c) Notwithstanding the provisions of paragraphs (a) and (b) of this section:

(1) Domestic animals which have reacted to a test recognized by the Secretary of Agriculture for brucellosis, or paratuberculosis, which are not affected with any other disease referred to in this section and are not tick infested, may be moved interstate in accordance with part 78 of this chapter in the case of brucellosis reactors and with the provisions of part 80 of this subchapter in the case of paratuberculosis reactors;

(2) Cattle which have reacted to the tuberculin test, which are not affected with any other disease referred to in this section and are not tick infested, may be moved interstate in accordance with the provisions of § 77.5 of this subchapter; and

(3) Poultry affected with disease caused by *Salmonella enteritidis* serotype *enteritidis* may be moved interstate in accordance with part 82 of this chapter.

(4) Swine infected with or exposed to pseudorabies may be moved interstate in accordance with part 85 of this chapter.

(d) Notwithstanding the provisions of paragraphs (a) and (b) of this section, livestock which is found to be diseased may be moved interstate in accordance with paragraphs (d)(1) through (6) of this section: *Provided,* That such livestock is not tick infested or affected with any disease referred to in this section other than the diseases named in this paragraph: *And provided further,* That such livestock is accompanied by a certificate, issued by an APHIS or State representative or accredited veterinarian stating the destination of the animals; the purpose for which they are to be moved; the number of animals covered by the certificate; the point from which the animals are moved interstate; and the name and address of the owner or shipper.

(1) Livestock affected with one or more of the following diseases may be moved interstate for immediate slaughter to a slaughtering establishment where State or Federal meat inspection is maintained; Actinomycosis, actinobacillosis, anaplasmosis, atrophic rhinitis, contagious ecthyma, foot rot, infectious keratitis, ram epididymitis, ringworm, swine influenza, arthritis (simple lesions only), and shipping fever.

(2) Cattle with slight unopened cases of actinomycosis or actinobacillosis (or both) may be moved interstate to a feed lot in the State of destination: *Provided,* That such cattle are not affected with any other disease named in this paragraph.

(3) Sheep affected with or exposed to contagious ecthyma may be moved interstate to a feed lot located in a State the laws, rules, or regulations of which require that such sheep be segregated or quarantined under a permit from an official of such State: *Provided,* That such sheep are not affected with any other disease named in this paragraph.

(4) Livestock affected with one or more of the following diseases may be moved interstate for any purpose to a

State the laws, rules, or regulations of which require that such livestock be segregated or quarantined under a permit from the appropriate livestock sanitary official of such State: actinomycosis, actinobacillosis, contagious ecthyma, foot rot, and shipping fever: *Provided,* That such livestock is not affected with any other disease named in this paragraph.

(5) Livestock affected with infectious keratitis or ringworm (or both) may be moved interstate for any purpose if treated under the supervision of an APHIS or State representative or an accredited veterinarian prior to movement: *Provided,* That such livestock is not affected with any other disease named in this paragraph. Livestock affected with infectious keratitis or ringworm (or both) and also with another disease named in this paragraph may be moved interstate only under the applicable provisions of paragraphs (d)(1) through (4) of this section after being so treated for infectious keratitis or ringworm (or both). Such livestock will be subject to further treatment at destination, if required.

(6) Other Movements. The Administrator may provide for the movement, not otherwise provided for in this paragraph, of animals affected with the diseases named in paragraph (d)(1) of this section, under such conditions as he may prescribe to prevent the spread of disease. The Administrator will promptly notify the appropriate livestock sanitary officials of the States involved of any such action.

(e) Notwithstanding the provisions of paragraphs (a) and (b) of this section, the Administrator in specific cases and under such conditions as he may prescribe to prevent the dissemination of disease may provide for the interstate movement of individual animals affected with contagious, infectious, or communicable disease to a designated diagnostic or research facility when accompanied by a permit from the appropriate livestock sanitary official in the State of destination: *Provided,* That animals so moved shall be maintained in quarantine at such designated facility until freed of disease as determined by tests recognized by the Department, until natural death, or until disposal by euthanasia.

(f) Before offering cattle or other livestock or poultry for interstate transportation, transporting them interstate, or introducing them into any stockyards or upon routes of traffic for interstate transportation, all persons, companies, or corporations are required to exercise reasonable diligence to ascertain whether such animals or poultry are affected with any contagious, infectious, or communicable disease, or have been exposed to the contagion or infection of any such disease by contact with other animals or poultry so diseased or by location in pens, cars, or other vehicles, or upon premises that have contained animals or poultry so diseased.

[28 FR 5937, June 13, 1963]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §71.3, see the List of Sections Affected in the Finding Aids section of this volume.

§71.4 Maintenance of certain facilities and premises in a sanitary condition required; cleaning and disinfection, when required; animals classed as "exposed."

(a) Yards, pens, chutes, alleys, and other facilities and premises which are used in connection with the interstate movement of livestock or poultry shall be maintained by the person in possession of the facilities and premises in a clean and sanitary condition, in accordance with good animal husbandry practices, and shall be subject to inspection by an APHIS or State representative. When an APHIS or State representative determines that such facilities or premises are not in such clean and sanitary condition and gives written notice of his determination to such person, the facilities and premises shall be cleaned and disinfected in accordance with §§71.7 and 71.10 through 71.12 by such person under the supervision of an APHIS or State representative or an accredited veterinarian before such premises are again used for livestock or poultry.

(b) Yards, pens, chutes, alleys, and other facilities and premises which have contained interstate shipments of cattle, sheep, swine, poultry, or other animals affected with, or carrying the

infection of, any contagious, infectious, or communicable disease of livestock or poultry other than slight unopened cases of actinomycosis or actinobacillosis (or both), bovine foot rot, atrophic rhinitis, ram epididymitis, ringworm, infectious keratitis, and arthritis (simple lesions only), shall be cleaned and disinfected under the supervision of an APHIS or State representative or an accredited veterinarian in accordance with §§ 71.7 and 71.10 through 71.12 before such premises are again used for animals, and any poultry or other animals unloaded into such yards or premises before they have been so cleaned and disinfected shall thereafter be classed as ''exposed'' within the meaning of the regulations in this subchapter and shall not be moved interstate except in compliance with the provisions of such regulations applicable to ''exposed'' animals.

[34 FR 15641, Oct. 9, 1969, as amended at 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27933, May 22, 1997]

§ 71.5 Unsanitary railroad cars, trucks, boats, aircraft or other means of conveyance; interstate movement restricted.

No person who receives notice from an APHIS representative that a railroad car, truck, boat, aircraft or other means of conveyance owned or operated by such person is not in a clean and sanitary condition in accordance with good animal husbandry practices, shall thereafter use such means of conveyance in connection with the interstate movement of livestock or poultry, or move said means of conveyance interstate, until it has been cleaned and disinfected under the supervision of an APHIS or State representative or an accredited veterinarian in accordance with §§ 71.7 and 71.10 through 71.12.

[34 FR 15641, Oct. 9, 1969, as amended at 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27933, May 22, 1997]

§ 71.6 Carrier responsible for cleaning and disinfecting of railroad cars, trucks, boats, aircraft or other means of conveyance.

(a) Railroad cars, trucks, boats, aircraft, and other means of conveyance which have been used in the interstate transportation of cattle, sheep, swine, poultry, or other animals affected with, or carrying the infection of, any contagious, infectious, or communicable disease of livestock or poultry, other than slight unopened cases of actinomycosis or actinobacillosis (or both), atrophic rhinitis, bovine foot rot, brucellosis, ram epididymitis, ringworm, infectious keratitis, and arthritis (simple lesions only), shall be cleaned and disinfected under APHIS supervision in accordance with §§ 71.7 and 71.10 through 71.12 at the point where the animals are unloaded and the final carrier shall be responsible for such cleaning and disinfecting: *Provided,* That when APHIS supervision is not available at such point, the means of conveyance may be cleaned and disinfected under the supervision of a State representative or an accredited veterinarian.

(b) No railroad car, truck, boat, aircraft or other means of conveyance from which poultry or other animals affected with an infectious, contagious or communicable disease of livestock or poultry, other than those specified in § 71.4(b), have been unloaded shall thereafter be used in connection with the interstate movement of animals, including poultry, or be moved interstate until it has been cleaned and disinfected by the final carrier under the supervision of an APHIS or State representative or an accredited veterinarian in accordance with §§ 71.7 and 71.10 through 71.12.

(c) If APHIS supervision or other supervision as required by paragraph (a) or (b) of this section or proper cleaning and disinfecting facilities are not available at the point where the animals are unloaded, upon permission first received from the Animal and Plant Health Inspection Service, the means of conveyance may be forwarded empty to a point at which such supervision and facilities are available, and there be cleaned and disinfected under supervision in accordance with §§ 71.7 and 71.10 through 71.12.

[34 FR 15641, Oct. 9, 1969, as amended at 37 FR 25337, Nov. 30, 1972; 39 FR 4465, Feb. 4, 1974; 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27934, May 22, 1997]

§71.7 Means of conveyance, facilities, premises, and cages and other equipment; methods of cleaning and disinfecting.

(a) Railroad cars, trucks, aircraft, or other means of conveyance, except boats, required by the regulations in this subchapter to be cleaned and disinfected shall be treated in the following manner: Remove all litter and manure from all portions of the conveyance, including any external ledges and framework; clean the exterior and interior of the conveyance; and saturate the entire interior surface, including the inner surface of the doors of the conveyance, with a permitted disinfectant specified in §§71.10 through 71.12.

(b) Boats required by the regulations in this subchapter to be cleaned and disinfected shall be treated in the following manner: Remove all litter and manure from the decks and stalls, and all other parts of the boat occupied or traversed by any poultry or other animals and from the portable chutes or other appliances or fixtures used in loading and unloading the animals, and saturate with a permitted disinfectant the entire surface of the deck, stalls, or other parts of the boat occupied or traversed by any animals or with which they may come in contact or which have contained litter or manure.

(c) Yards, pens, chutes, alleys, cages, and other equipment required by the regulations in this subchapter to be disinfected shall be treated in the following manner: Empty all troughs, racks, or other feeding or watering appliances; remove all litter and manure from the floors, posts, or other parts; and saturate the entire surface of the fencing, troughs, chutes, floors, walls, and other parts with a permitted disinfectant specified in §§71.10 through 71.12.

[34 FR 15642, Oct. 9, 1969, as amended at 61 FR 56883, Nov. 5, 1996]

§71.10 Permitted disinfectants.

(a) Disinfectants permitted for use on cars, boats, and other vehicles, premises, and cages and other equipment are as follows:

(1) ''Cresylic disinfectant'' in the proportion of at least 4 fluid ounces to 1 gallon of water.

(2) Liquefied phenol (U.S.P. strength 87 percent phenol) in the proportion of at least 6 fluid ounces to 1 gallon of water.

(3) Chlorinated lime (U.S.P. strength, 30 percent available chlorine) in the proportion of 1 pound to 3 gallons of water.

(4) Sodium hydroxide (Lye) prepared in a fresh solution in the proportion of not less than 1 pound avoirdupois of sodium hydroxide of not less than 95 percent purity to 6 gallons of water, or one 13½ ounce can to 5 gallons of water. Due to the extreme caustic nature of sodium hydroxide solution, precautionary measures such as the wearing of rubber gloves, boots, raincoat, and goggles should be observed. An acid solution such as vinegar shall be kept readily available in case any of the sodium hydroxide solution should come in contact with the body.

(5) Disinfectants which are registered under the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. 135 *et seq.*), with tuberculocidal claims, as disinfectants for general use, may be used for the purpose of this part in accordance with directions on the labels accepted in connection with their registration. However, disinfectants which fall in this category are not permitted for use in outbreaks of foreign animal diseases unless in specific cases such use is approved in advance by the Administrator.

(b) The use of ''cresylic disinfectant'' is permitted subject to the following conditions:

(1) The manufacturer thereof shall have obtained specific permission from APHIS for the use of his products in official disinfection. To obtain such permission manufacturers shall first submit a sample of at least 8 ounces for examination, together with a statement of the formula employed and a guaranty that the product will be maintained of a quality uniform with the sample submitted.

(2) To prevent confusion, the product of each manufacturer and distributor shall bear a distinctive trade name or brand, together with the name of the manufacturer or distributor.

(3) The product shall at all times conform to specifications for composition

and performance issued by the Administrator.

[28 FR 5937, June 13, 1963, as amended at 32 FR 19157, Dec. 20, 1967; 37 FR 8864, May 2, 1972; 37 FR 9460, May 11, 1972; 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 61 FR 56883, Nov. 5, 1996]

§ 71.11 Cresylic disinfectant as permitted disinfectant; specifications.

The following specifications will be employed for determining the suitability of cresylic disinfectant for use under the provisions of § 71.10(b)(3):

(a) The product shall remain a uniform liquid when held at 0° C. (32° F.) for 3 hours (chill test).

(b) The product shall dissolve completely in 30 parts of distilled water at 25° C. (77° F.) within 2 minutes (solution-rate test), producing a solution entirely free from globules and not more than faintly opalescent (solubility-degree test).

(c) The product shall contain not more than 25 percent of inert ingredients (water and glycerin), not more excess alkali than the equivalent of 0.5 percent of sodium hydroxide, and not less than 21 percent of soap exclusive of water, glycerin, and excess alkali.

(d) The product shall contain not less than 50 percent and not more than 53 percent of total phenols. It shall contain less than 5 percent of benzophenol (C^6H^5OH).

(e) The methods of determining compliance with the specifications in paragraphs (a) to (d) of this section will be those described in United States Department of Agriculture Bulletin 1308, Chemical and Physical Methods for the Control of Saponified Cresol Solutions, so far as they are applicable.

(f) Any suitable glyceride, fat acid, or resin acid may be used in preparing the soap, but not all are suitable nor are all grades of a single product equally suitable, Also various grades of commercial cresylic acid differ in suitability. Therefore, manufacturers are cautioned to prepare a trial laboratory batch from every set of ingredients and to prove its conformity with paragraphs (a) and (b) of this section, before proceeding with manufacture on a factory scale.

§ 71.12 Sodium orthophenylphenate as permitted disinfectant for premises infected with tuberculosis.

(a) A permitted brand of sodium orthophenylphenate in a proportion of at least one pound to 12 gallons of water is permitted in tuberculosis eradication work for disinfecting infected premises following the removal of cattle that reacted to the tuberculin test.

(b) It is absolutely necessary that the solution be applied at a temperature of 60° F. or over. Whenever the temperature of the building to be disinfected is below 60° F., as indicated by a wall thermometer, the solution shall be heated to 120° F. and higher in very cold weather, to insure effective disinfection.

§ 71.13 Inspection of shipments in transit by APHIS representative.

All persons and corporations having control of the interstate transportation of livestock or poultry shall, when directed by an APHIS inspector so to do, stop the same in transit for inspection, and if any of such poultry or other animals are found upon such inspection to be infected with any contagious, infectious, or communicable disease or to have been exposed to such infection, the person or corporation having control of the transportation of such poultry or other animals shall, upon receipt of an order from an APHIS representative so to do, cease the carriage, transportation, or moving of such poultry or other animals unless such carriage, transportation, or moving can be accomplished in accordance with the regulations in this subchapter governing the interstate movement of poultry or other animals infected with or which have been exposed to the infection of such disease, and in all cases after the discovery of such infection or exposure thereto such poultry or other animals shall be handled in accordance with such regulations.

[28 FR 5937, June 13, 1963, as amended at 34 FR 15642, Oct. 9, 1969; 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27934, May 22, 1997]

§71.14 Slaughter of poultry or other animals to prevent spread of disease; ascertainment of value and compensation.

When, in order to prevent the spread of any contagious, infectious, or communicable disease, it becomes necessary to slaughter any diseased or exposed animals, including poultry, and the purchase of such animals, including poultry, by the United States is authorized by law and an appropriation is available therefor, the value of the animals, including poultry shall be ascertained and compensation made therefor in accordance with the orders or regulations of the Secretary of Agriculture.

[28 FR 5937, June 13, 1963, as amended at 34 FR 15642, Oct. 9, 1969]

§71.15 Movement from quarantined to free area and shipment therefrom; conditions under which permitted.

No livestock or poultry shall be shipped, trailed, driven, or hauled in private conveyance from the quarantined area in any State, Territory, or the District of Columbia to the free area in the same State, Territory, or the District of Columbia and subsequently delivered to a transportation company for shipment or moved to any other State, Territory, or the District of Columbia without complying with all Federal and State regulations pertaining to such movements.

[28 FR 5937, June 13, 1963, as amended at 34 FR 15642, Oct. 9, 1969]

§71.16 Inspection and certification of poultry or other animals for interstate movement.

(a) *Assistance and facilities.* When poultry or other animals are to be inspected and certified by an APHIS representative, assistance and proper facilities for restraining them shall be provided in order that a careful inspection may be made, and the representative while making the inspection shall not be interfered with in any manner; otherwise inspection will be immediately discontinued.

(b) *Certificates and other statements to accompany shipments.* Whenever inspection or treatment and the issuance of a certificate, statement, test chart, or other writing showing the performance of such inspection or treatment and the result thereof is required by any of the regulations in this subchapter as a condition precedent to the movement interstate of any poultry or other animal or class of poultry or other animals, or any poultry or other animal or class of poultry or other animals is so required to be accompanied in interstate movement by such certificate, statement, test chart, or other writing, no such poultry or other animal or poultry or other animals shall be moved interstate unless and until the following requirements are also complied with:

(1) In the case of such movement by a common carrier issuing waybills or other form or forms of billing covering the movement, the said certificate, statement, test chart, or other writing shall be delivered to such carrier at the time the poultry or other animal or poultry or other animals are delivered for shipment, and shall become the property of the carrier, and be by such carrier attached to the billing covering the transportation of such poultry or other animal or poultry or other animals, and accompany such billing to destination, and be filed with such billing for future reference.

(2) In case of such movement otherwise than by common carrier issuing waybills or other form or forms of billing, the said certificate, statement, test chart, or other writing shall accompany the poultry or other animal or poultry or other animals to destination and be delivered to the consignees, or, in case the consignor and consignee is the same person, to the first purchaser purchasing during or after such movement in interstate commerce, or to the person to whom the poultry or other animal or poultry or other animals are delivered.

[28 FR 5937, June 13, 1963, as amended at 34 FR 15642, Oct. 9, 1969; 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 62 FR 27934, May 22, 1997]

§71.17 Interstate movement of dead poultry or other animals prohibited in same car with live poultry or other animals.

No dead poultry or other animals shall be offered or accepted for transportation or transported in the same

car with live poultry or other animals from the original point of shipment in any State or Territory or the District of Columbia to or through any other State, Territory, or the District of Columbia.

[28 FR 5937, June 13, 1963, as amended at 34 FR 15642, Oct. 9, 1969]

§ 71.18 Individual identification of certain cattle 2 years of age or over for movement in interstate commerce.

(a) No cattle 2 years of age or over, except steers and spayed heifers and cattle of any age which are being moved interstate during the course of normal ranching operations without change of ownership to another premises owned, leased, or rented by the same individual as provided in §§ 78.9(a)(3)(ii), 78.9(b)(3)(iv), and 78.9(c)(3)(iv) of this chapter, shall be moved in interstate commerce other than in accordance with the requirements of this section. Any movement in interstate commerce of any cattle shall also comply with the other applicable provisions in this part and other parts of this subchapter.

(1) When permitted under such other provisions, cattle subject to this section:

(i) May be moved in interstate commerce from any point to any destination, if such cattle, when moved in interstate commerce, are identified by a Department-approved backtag[1] affixed a few inches from the midline and just behind the shoulder of the animal, or by such other means approved by the Administrator, upon request in specific cases, and if except as provided in paragraph (a)(5) of this section such cattle when moved interstate are accompanied by a statement signed by the owner or shipper of the cattle, or other document[2] stating: (A) The point from which the animals are moved interstate; (B) the destination of the animals; (C) the number of animals covered by the statement, or other document; (D) the name and address of the owner at the time of the movement; (E) the name and address of the previous owner if ownership changed within four months prior to the movement of the cattle; (F) the name and address of the shipper; and (G) the identifying numbers of the backtags or other approved identification applied: *Provided,* That identification numbers are not required to be recorded on such statement or document for cattle moved from a stockyard posted under the provisions of the Packers and Stockyards Act, 1921, as amended (7 U.S.C. 181 *et seq.*),[3] directly to a recognized slaughtering establishment as defined in § 78.1 of this chapter; or

(ii) May be moved in interstate commerce only from a farm, ranch, or feedlot to a recognized slaughtering establishment as defined in § 78.1 of this chapter; or to a stockyard posted under the provisions of the Packers and Stockyards Act, 1921, as amended (7 U.S.C. 181 *et seq.*), for sale and shipment to such a slaughtering establishment, if such cattle are identified upon arrival at such slaughtering establishment or stockyard by the application of Department-approved backtags or by other approved identification as prescribed in paragraph (a)(1)(i) of this section and, except as provided in paragraph (a)(5) of this section when moved interstate, are accompanied by a statement signed by the owner or shipper of the cattle, or other document[2] stating: (A) The point from which the animals are moved interstate; (B) the destination of the animals; (C) the number of animals covered by the statement or

[1] Department-approved backtags are available at recognized slaughtering establishments and specifically approved stockyards and from State representatives and APHIS representatives. A list of recognized slaughtering establishments and specifically approved stockyards may be obtained as indicated in § 78.1 of this chapter. The terms ''State representative'' and ''APHIS representative'' are defined in § 78.1 of this chapter.

[2] Other document means a shipping permit, an official health certificate, an official brand inspection certificate, a bill of lading, a waybill, or an invoice on which is listed the required information.

[3] Posted stockyards are designated by posting notice at such stockyards and by publication in the FEDERAL REGISTER. Information concerning posted stockyards may also be obtained from the Washington office or the area offices of the Packers and Stockyards Administration.

other document; and (D) the name and address of the owner at the time of movement; (E) the name and address of the previous owner if ownership changed within four months prior to the movement of the cattle; and (F) the name and address of the shipper: *Provided,* That the application of backtags is not required if such cattle are moved in interstate commerce to a recognized slaughtering establishment as defined in §78.1 of this chapter and if, when moved in interstate commerce, such cattle are identified by a brand registered with an official brand inspection agency and are accompanied by an official brand inspection certificate: *And provided, further,* That the application of backtags is not required when such cattle are moved in interstate commerce to a recognized slaughtering establishment as defined in §78.1 of this chapter, which maintains records of ownership of cattle by slaughter lot number;[4] or

(iii) May be moved in interstate commerce for any purpose other than slaughter if such cattle, when moved in interstate commerce, are identified by Animal and Plant Health Inspection Service-approved eartags in lieu of backtags, and, except as provided in paragraph (a)(5) of this section, are accompanied when moved interstate by an owner's statement or other document[2] stating: (A) The point from which the animals are moved interstate, (B) the destination of the animals, (C) the number of animals covered by the statement or other document, (D) the identifying numbers of the eartags, and (E) the name and address of the owner at the time of movement; (F) the name and address of the previous owner if ownership changed within four months prior to the movement of the cattle; and (G) the name and address of the shipper: *Provided,* That identification by eartag is not required if such animals are registered purebred animals which are moved in interstate commerce for any purpose other than slaughter and are identified in a manner acceptable to the appropriate breed association for registration purposes; or are identified by a brand registered with an official brand inspection agency and are accompanied by an official brand inspection certificate as prescribed in paragraph (a)(1)(ii) of this section.

(2) The owner's or shipper's statement or other document[2] or registered purebred identification required by this section for cattle moved under paragraph (a)(1)(i) or (ii) of this section shall be delivered to the management of the stockyard or slaughtering establishment at the time of delivery of the cattle;[5] and documents accompanying animals moved under paragraph (a)(1)(iii) of this section for breeding or dairy purposes shall be delivered to the consignee. All such documents shall be made available for inspection on request by a State or Federal representative or an accredited veterinarian, as defined in §78.1, at any time within the year from the date of such delivery.

(3) Each person who ships, transports, or otherwise causes the cattle to be moved in interstate commerce is responsible for the identification of the cattle as required by this section.

(4) No person shall remove or tamper with or cause the removal of or tampering with a backtag, eartag, brand, or other identification device required to be on cattle pursuant to this section while such cattle are being moved in interstate commerce, except at the time of slaughter, or as may be authorized by the Administrator, upon request in specific cases and under such conditions as the Administrator, may impose to ensure continuing identification.

(5) Cattle that would otherwise be required to be accompanied by an owner-shipper statement or other document [2] as a condition of movement in interstate commerce under paragraph (a)(1) of this section, shall not be required to

[4] It is the responsibility of the person who causes the interstate movement to determine whether the establishment maintains such records. As evidence that the establishment does maintain such records such person should obtain a statement to that effect from the management of the establishment and retain it for a period of five years from the date of shipment.

[5] The backtag or other identification numbers should be included on the receiving document of the stockyard or establishment for all such cattle identified by backtags or other identification after arrival at such stockyard or establishment.

be accompanied by such an owner-shipper statement or other document [2] if the following conditions are met: if the cattle are moved to a recognized slaughtering establishment as defined in § 78.1 of this chapter or to a stockyard specifically approved under § 71.20; if the cattle are moved from a farm or other premises where the cattle to be moved interstate have been kept for not less than four months prior to the date of movement; and if such farm or other premises has not had on the premises any cattle or bison from any other premises within four months prior to the date of movement.

[38 FR 22768, Aug. 24, 1973, as amended at 47 FR 55656, Dec. 13, 1982; 50 FR 45987, Nov. 6, 1985; 51 FR 32599, Sept. 12, 1986; 52 FR 2987, Jan. 30, 1987; 55 FR 11156, Mar. 27, 1990; 62 FR 27934, May 22, 1997]

§ 71.19 Identification of swine in interstate commerce.

(a)(1) Except as provided in paragraph (c) of this section, no swine may be sold, transported, received for transportation, or offered for sale or transportation, in interstate commerce, unless each swine is identified at whichever of the following comes first:

(i) The point of first commingling of the swine in interstate commerce with swine from any other source;

(ii) Upon unloading of the swine in interstate commerce at any livestock market;

(iii) Upon transfer of ownership of the swine in interstate commerce; or

(iv) Upon arrival of the swine in interstate commerce at their final destination.

(2) The identification shall be by means of identification approved by the Administrator and listed in paragraph (b) of this section. All swine shall remain so identified while they are in interstate commerce.

(3) Each person who buys or sells, for his or her own account or as the agent of the buyer or seller, transports, receives for transportation, offers for sale or transportation, or otherwise handles swine in interstate commerce, is responsible for the identification of the swine as provided by this section.

(b) Means of swine identification approved by the Administrator are:

(1) Official eartags, when used on any swine;

(2) United States Department of Agriculture backtags, when used on swine moving to slaughter;

(3) Official swine tattoos, when used on swine moving to slaughter, when the use of the official swine tattoo has been requested by a user or the State animal health official, and the Administrator authorizes its use in writing based on a determination that the tattoo will be retained and visible on the carcass of the swine after slaughter, so as to provide identification of the swine;

(4) Tattoos of at least 4-characters when used on swine moving to slaughter, except sows and boars as provided in § 78.33 of this chapter;

(5) Ear notching when used on any swine, if the ear notching has been recorded in the book of record of a purebred registry association;

(6) Tattoos on the ear or inner flank of any swine, if the tattoos have been recorded in the book of record of a swine registry association; and

(7) For slaughter swine and feeder swine, an eartag or tattoo bearing the premises identification number assigned by the State animal health official to the premises on which the swine originated.

(c) Swine that are kept as a group are not required to be individually identified when in interstate commerce if:

(1) They were born on the same premises;

(2) They were raised on the same premises where they were born;

(3) They are moved in a group directly to a slaughtering establishment from the place where they were raised;

(4) They are not mixed with swine from any other premises, between the time they are born and the time they arrive at the slaughtering establishment; and

(5) They are slaughtered one after another, as a group, and not mixed with other swine at slaughter; or approved identification is applied to the swine after entry into the slaughtering establishment.

[2] Other document means a shipping permit, an official health certificate, an official brand inspection certificate, a bill of lading, a waybill, or an invoice on which is listed the required information.

(d) Serial numbers of United States Department of Agriculture backtags and official swine tattoos will be assigned to each person who applies to the State animal health official or the Area Veterinarian in Charge for the State in which that person maintains his/her or its place of business. Serial numbers of official eartags will be assigned to each accredited veterinarian or State or Federal representative who requests official eartags from the State animal health official or the Area Veterinarian in Charge, whoever is responsible for issuing official eartags in that State. Persons assigned serial numbers of United States Department of Agriculture backtags, official swine tattoos, and official eartags must:

(1) Record the following information on a document:

(i) All serial numbers applied to the swine;

(ii) Any other serial numbers and approved identification appearing on the swine that are needed to identify the swine to its previous owner and location;

(iii) The street address, including the city and state, or the township, county, and state, of the premises where the approved means of identification were applied; and

(iv) The telephone number, if available, of the person who owns or possesses the swine.

(2) Maintain these records at the person's place of business for 2 years; and

(3) Make these records available for inspection and copying during ordinary business hours (8 a.m. to 5:30 p.m., Monday through Friday) upon request by any authorized employee of the United States Department of Agriculture, upon that employee's request and presentation of his or her official credentials.

(e)(1) Each person who buys or sells, for his or her own account or as the agent of the buyer or seller, transports, receives for transportation, offers for sale or transportation, or otherwise handles swine in interstate commerce, must keep records relating to the transfer of ownership, shipment, or handling of the swine, such as yarding receipts, sale tickets, invoices, and waybills upon which is recorded:

(i) all serial numbers and other approved means of identification appearing on the swine that are necessary to identify it to the person from whom it was purchased or otherwise obtained; and

(ii) the street address, including city and state, or the township, county, and state, and the telephone number, if available, of the person from whom the swine were purchased or otherwise obtained.

(2) Each person required to keep records under this paragraph must maintain the records at his/her or its place of business for at least 2 years after the person has sold or otherwise disposed of the swine to another person, and for such further period as the Administrator may require by written notice to the person, for purposes of any investigation or action involving the swine identified in the records. The person shall make the records available for inspection and copying during ordinary business hours (8 a.m. to 5:30 p.m., Monday through Friday) by any authorized employee of the United States Department of Agriculture, upon that employee's request and presentation of his or her official credentials.

(f) No person may remove or tamper with any approved means of identification required to be on swine pursuant to this section while it is in interstate commerce, except at the time of slaughter as provided in 9 CFR 309.16(e).

(g) Written requests for approval of swine identification devices and markings not listed in paragraph (b) of this section should be sent to the Animal and Plant Health Inspection Service, Veterinary Services, Cattle Diseases and Surveillance, 4700 River Road Unit 36, Riverdale, Maryland 20737–1231. If the Administrator determines that the devices and markings will provide a means of tracing swine in interstate commerce, a proposal will be published in the FEDERAL REGISTER to add the devices and markings to the list of approved means of swine identification.

[53 FR 40385, Oct. 14, 1988, as amended at 55 FR 11156, Mar. 27, 1990; 55 FR 15320, Apr. 23, 1990; 59 FR 67612, Dec. 30, 1994; 62 FR 27934, May 22, 1997; 62 FR 54758, Oct. 22, 1997]

§ 71.20 Approval of livestock facilities.

(a) To qualify for approval by the Administrator as an approved livestock facility[6] and to retain such designation, the individual legally responsible for the day-to-day operations of the livestock facility shall execute the following agreement:

AGREEMENT—APPROVED LIVESTOCK FACILITY FOR HANDLING LIVESTOCK PURSUANT TO TITLE 9 OF THE CODE OF FEDERAL REGULATIONS

[*Name of facility*]
[*Address and telephone number of facility*]
I, [*name of the individual legally responsible for the day-to-day operations of the livestock facility*], operator of [*name of facility*], hereby agree to maintain and operate the livestock facility located at [*address of premises*] in accordance with the applicable provisions of this agreement and Chapter I, Title 9, of the Code of Federal Regulations (9 CFR).

Cooperation

(1) The State animal health official and the area veterinarian in charge shall be provided with a schedule of the facility's sale days, which shall indicate the types of animals that will be handled at the facility on each sale day, and shall be apprised of any changes to that schedule prior to the implementation of the changes.

(2) An accredited veterinarian, State representative, or APHIS representative shall be on the facility premises on all sale days to perform duties in accordance with State and Federal regulations.

(3) State representatives and APHIS representatives shall be granted access to the facility during normal business hours to evaluate whether the facility and its operations are in compliance with the applicable provisions of this agreement and 9 CFR parts 71, 75, 78, and 85.

(4) An APHIS representative, State representative, or accredited veterinarian shall be immediately notified of the presence at the facility of any livestock that are known to be infected, exposed, or suspect, or that show signs of possibly being infected, with any infectious, contagious, or communicable disease.

(5) Any reactor, suspect, or exposed livestock shall be held in quarantined pens apart from all other livestock at the facility.

(6) No reactor, suspect, or exposed livestock, nor any livestock that show signs of being infected with any infectious, contagious, or communicable disease, may be sold at the facility, except as authorized by an APHIS representative, State representative, or accredited veterinarian.

Records

(7) Documents such as weight tickets, sales slips, and records of origin, identification, and destination that relate to livestock that are in, or that have been in, the facility shall be maintained by the facility for a period of 2 years. APHIS representatives and State representatives shall be permitted to review and copy those documents during normal business hours.

Identification

(8) All livestock must be officially identified in accordance with the applicable regulations in 9 CFR parts 71, 75, 78, and 85 at the time of, or prior to, entry into the facility.

Cleaning and Disinfection

(9) The facility, including all yards, docks, pens, alleys, sale rings, chutes, scales, means of conveyance, and their associated equipment, shall be maintained in a clean and sanitary condition. The operator of the facility shall be responsible for the cleaning and disinfection of the facility in accordance with 9 CFR part 71 and for maintaining an adequate supply of disinfectant and serviceable equipment for cleaning and disinfection.

General Facilities and Equipment Standards

(10) All facilities and equipment shall be maintained in a state of good repair. The facility shall contain well-constructed and well-lighted livestock handling chutes, pens, alleys, and sales rings for the inspection, identification, vaccination, testing, and branding of livestock.

(11) Quarantined pens shall be clearly labeled with paint or placarded with the word ''Quarantined'' or the name of the disease of concern, and shall be cleaned and disinfected in accordance with 9 CFR part 71 before being used to pen livestock that are not reactor, suspect, or exposed animals.

(12) Quarantined pens shall have adequate drainage, and the floors and those parts of the walls of the quarantined pens with which reactor, or suspect, or exposed livestock, their excrement, or discharges may have contact shall be constructed of materials that are substantially impervious to moisture and able to withstand continued cleaning and disinfection.

(13) Electrical outlets shall be provided at the chute area for branding purposes.

Standards for Handling Different Classes of Livestock

(By his or her initials, the operator of the facility shall signify the class or classes of livestock that the facility will handle.)

[6] A list of approved livestock facilities may be obtained by writing to National Animal Health Programs, VS, APHIS, 4700 River Road Unit 36, Riverdale, MD 20737–1231.

(14) Cattle and bison:

—This facility will handle cattle and bison: [*Initials of operator, date*]

—This facility will handle cattle and bison known to be brucellosis reactors, suspects, or exposed: [*Initials of operator, date*]

—This facility will not handle cattle and bison known to be brucellosis reactors, suspects, or exposed and such cattle and bison will not be permitted to enter the facility: [*Initials of operator, date*]

(i) Cattle and bison shall be received, handled, and released by the facility only in accordance with 9 CFR parts 71 and 78.

(ii) All brucellosis reactor, brucellosis suspect, and brucellosis exposed cattle or bison arriving at the facility shall be placed in quarantined pens and consigned from the facility only in accordance with 9 CFR part 78.

(iii) Any cattle or bison classified as brucellosis reactors at the facility shall be identified in accordance with 9 CFR part 78, placed in quarantined pens, and consigned from the facility only to a recognized slaughtering establishment or an approved intermediate handling facility in accordance with 9 CFR part 78.

(iv) Any cattle or bison classified as brucellosis exposed at the facility shall be identified in accordance with 9 CFR part 78, placed in quarantined pens, and consigned from the facility only to a recognized slaughtering establishment, approved intermediate handling facility, quarantined feedlot, or farm of origin in accordance with 9 CFR part 78.

(v) The identity of cattle from Class Free States or areas and Class A States or areas shall be maintained.

(vi) The identity of cattle from Class B States or areas shall be maintained, and test-eligible cattle from Class B States or areas shall not be placed in pens with cattle from any other area until they have fulfilled the requirements of 9 CFR part 78 for release from the facility.

(vii) The identity of cattle from Class C States or areas shall be maintained, and test-eligible cattle from Class C States or areas shall not be placed in pens with cattle from any other area until they have fulfilled the requirements of 9 CFR part 78 for release from the facility.

(viii) The identity of cattle from quarantined areas shall be maintained, and test-eligible cattle from quarantined areas shall not be placed in pens with cattle from any other area until they have fulfilled the requirements of 9 CFR part 78 for release from the facility.

(ix) Test-eligible cattle that are penned with test-eligible cattle from a lower class State or area, in violation of this agreement, shall have the status of the State or area of lower class for any subsequent movement.

(x) Laboratory space shall be furnished and maintained for conducting diagnostic tests. All test reagents, testing equipment, and documents relating to the State-Federal cooperative eradication programs on the facility's premises shall be secured to prevent misuse and theft. Adequate heat, cooling, electricity, water piped to a properly drained sink, and sanitation shall be provided for properly conducting diagnostic tests.

(15) Swine:

—This facility will handle breeding swine: [*Initials of operator, date*]

—This facility will handle slaughter swine: [*Initials of operator, date*]

—This facility will handle feeder swine: [*Initials of operator, date*]

—This facility will handle pseudorabies reactor, suspect, or exposed swine: [*Initials of operator, date*].

—This facility will not handle swine known to be pseudorabies reactor, suspect, or exposed swine and such swine will not be permitted to enter the facility: [*Initials of operator, date*].

(i) Swine shall be received, handled, and released by the livestock facility only in accordance with 9 CFR parts 71, 78, and 85.

(ii) Pens, alleys, and sales rings for holding, inspecting, and otherwise handling swine shall be imperviously surfaced.

(iii) Slaughter swine may be handled only on days when no feeder swine or breeder swine are present at the facility, unless the facility has provisions to keep slaughter swine physically separated from feeder swine and breeder swine or unless those areas of the facility used by slaughter swine have been cleaned and disinfected before being used by feeder swine or breeder swine.

(iv) No feeder swine or breeder swine may remain in the livestock facility for more than 72 hours, and no slaughter swine may remain in the livestock market for more than 120 hours.

(v) Feeder swine shall be kept separate and apart from other swine while in the livestock facility.

(vi) No release shall be issued for the removal of slaughter swine from the livestock facility unless the slaughter swine are consigned for immediate slaughter or to another slaughter market and the consignee is identified on the release document.

(16) Horses:

—This facility will handle horses: [*Initials of operator, date*]

—This facility will handle equine infectious anemia (EIA) reactors: [*Initials of operator, date*]

—This facility will not handle horses known to be EIA reactors and will not permit EIA reactors to enter the facility: [*Initials of operator, date*]

(i) Horses shall be received, handled, and released by the livestock facility only in accordance with 9 CFR parts 71 and 75.

(ii) Any horses classified as EIA reactors and accepted by the facility for sale shall be placed in quarantined pens at least 200 yards from all non-EIA-reactor horses.

(iii) Any horses classified as EIA reactors and accepted by the facility for sale shall be consigned from the facility only to a slaughtering establishment or to the home farm of the reactor in accordance with 9 CFR part 75.

(iv) Fly Control Program: The livestock facility shall have in effect a fly control program utilizing at least one of the following: Baits, fly strips, electric bug killers (''Fly Zappers,'' ''Fly Snappers,'' or similar equipment), or the application of a pesticide effective against flies, applied according to the schedule and dosage recommended by the manufacturer for fly control.

Approvals

(17) Request for approval:

I hereby request approval for this facility to operate as an approved livestock facility for the classes of livestock indicated in paragraphs (14) through (16) of this agreement. I acknowledge that I have received a copy of 9 CFR parts 71, 75, 78 and 85, and acknowledge that I have been informed and understand that failure to abide by the provisions of this agreement and the applicable provisions of 9 CFR parts 71, 75, 78, and 85 constitutes a basis for the withdrawal of this approval. [*Printed name and signature of operator, date of signature*]

(18) Pre-approval inspection of livestock facility conducted by [*printed name and title of APHIS representative] on [date of inspection*].

(19) Recommend approval:

[*Printed name and signature of State animal health official, date of signature*]

[*Printed name and signature of area veterinarian in charge, date of signature*]

(20) Approval granted:

[*Printed name and signature of the Administrator, Animal and Plant Health Inspection Service, date of signature*]

(b) *Denial and withdrawal of approval.* The Administrator may deny or withdraw the approval of a livestock facility to receive livestock moved interstate under this subchapter upon a determination that the livestock facility is not or has not been maintained and operated in accordance with the agreement set forth in paragraph (a) of this section.

(1) In the case of a denial, the operator of the facility will be informed of the reasons for the denial and may appeal the decision in writing to the Administrator within 10 days after receiving notification of the denial. The appeal must include all of the facts and reasons upon which the person relies to show that the livestock facility was wrongfully denied approval to receive livestock moved interstate under this subchapter. The Administrator will grant or deny the appeal in writing as promptly as circumstances permit, stating the reason for his or her decision. If there is a conflict as to any material fact, a hearing will be held to resolve the conflict. Rules of practice concerning the hearing will be adopted by the Administrator.

(2) In the case of withdrawal, before such action is taken, the operator of the facility will be informed of the reasons for the proposed withdrawal. The operator of the facility may appeal the proposed withdrawal in writing to the Administrator within 10 days after being informed of the reasons for the proposed withdrawal. The appeal must include all of the facts and reasons upon which the person relies to show that the reasons for the proposed withdrawal are incorrect or do not support the withdrawal of the approval of the livestock facility to receive livestock moved interstate under this subchapter. The Administrator will grant or deny the appeal in writing as promptly as circumstances permit, stating the reason for his or her decision. If there is a conflict as to any material fact, a hearing will be held to resolve the conflict. Rules of practice concerning the hearing will be adopted by the Administrator. However, withdrawal shall become effective pending final determination in the proceeding when the Administrator determines that such action is necessary to protect the public health, interest, or safety. Such withdrawal shall be effective upon oral or written notification, whichever is earlier, to the operator of the facility. In the event of oral notification, written confirmation shall be given as promptly as circumstances allow. This withdrawal shall continue in effect pending the completion of the proceeding, and any judicial review thereof, unless otherwise ordered by the Administrator.

(3) Approval for a livestock facility to handle livestock under this subchapter will be automatically withdrawn by the Administrator when:

(i) The operator of the facility notifies the Administrator, in writing, that

the facility no longer handles livestock moved interstate under this subchapter; or

(ii) The person who signed the agreement executed in accordance with paragraph (a) of this section is no longer responsible for the day-to-day operations of the facility.

[62 FR 27934, May 22, 1997, as amended at 62 FR 54758, Oct. 22, 1997; 63 FR 32119, June 12, 1998]

PART 72—TEXAS (SPLENETIC) FEVER IN CATTLE

Sec.

72.1 Ticks [Boophilus annulatus (Margaropus annulatus), Boophilus microplus, or Rhipicephalus evertsi evertsi]; interstate movement of infested or exposed animals prohibited.
72.2 Splenetic or tick fever in cattle in Texas, the Virgin Islands of the United States and vectors of said disease in the Northern Mariana Islands, the Commonwealth of Puerto Rico and the Island of Guam: Restrictions on movement of cattle.
72.3 Areas quarantined in the Virgin Islands of the United States, the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the Island of Guam.
72.4 [Reserved]
72.5 Area quarantined in Texas.
72.6 Interstate movement of cattle from quarantined areas not eradicating ticks.
72.7 Interstate movement of cattle from cooperating States.
72.8 Interstate movement of cattle from free premises upon inspection and certification by APHIS inspector.
72.9 Interstate movements of cattle; inspection and certification by APHIS inspector required.
72.10 Inspected or dipped and certified cattle subject to restrictions of State of destination.
72.11 Quarantined area; cattle considered infested; requirements for placing in noninfectious pens or premises.
72.12 Cattle; exposure to tick infestation after treatment or inspection prohibited.
72.13 Permitted dips and procedures.
72.14 [Reserved]
72.15 Owners assume responsibility; must execute agreement prior to dipping or treatment waiving all claims against United States.
72.16 Designated dipping stations to be approved by the Administrator, APHIS on recommendations of State authorities; facilities.
72.17 Unloading noninfected cattle for rest, feed, and water only, permitted in authorized pens for such purpose.
72.18 Movement interstate; specification by the Deputy Administrator, Veterinary Services of treatment required when dipping facilities unavailable.
72.19 Interstate shipments and use of pine straw, grass, litter from quarantined area; prohibited until disinfected.
72.20 Exhibition of noninfected cattle in the quarantined area; restrictions under which permitted.
72.21 Animals infested with or exposed to ticks subject to same restrictions as cattle.
72.22 Cars, vehicles, and premises; cleaning and treatment after containing infested or exposed animals.
72.23 Cars or other vehicles having carried infested or exposed cattle in quarantined area shall be cleaned and treated.
72.24 Litter and manure from carriers and premises of tick-infested animals; destruction or treating required.
72.25 Dipping methods.

AUTHORITY: 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b, and 134f; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5940, June 13, 1963, unless otherwise noted.

§ 72.1 Ticks [Boophilus annulatus (Margaropus annulatus), Boophilus microplus, or Rhipicephalus evertsi evertsi]; interstate movement of infested or exposed animals prohibited.

No animals infested with ticks [Boophilus annulatus (Margaropus annulatus), Boophilus microplus, or Rhipicephalus evertsi evertsi] or exposed to tick infestation shall be shipped, trailed, driven, or otherwise moved interstate for any purpose, except as provided in this part.

§ 72.2 Splenetic or tick fever in cattle in Texas, the Virgin Islands of the United States and vectors of said disease in the Northern Mariana Islands, the Commonwealth of Puerto Rico and the Island of Guam: Restrictions on movement of cattle.

Notice is hereby given that the contagious, infectious, and communicable disease known as splenetic or tick fever exists in cattle in portions of the State of Texas and the Virgin Islands of the United States. Notice is also

hereby given that ticks which are vectors of said disease exist in the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the Island of Guam. Therefore, portions of the State of Texas, the Virgin Islands of the United States, the Northern Mariana Islands, the Commonwealth of Puerto Rico and the Island of Guam are hereby quarantined as provided in §§ 72.3 and 72.5, and the movement of cattle therefrom into any other State or Territory or the District of Columbia shall be made only in accordance with the provisions of this part and part 71 of this chapter.

[43 FR 60864, Dec. 29, 1978]

§ 72.3 Areas quarantined in the Virgin Islands of the United States, the Northern Mariana Islands, the Commonwealth of Puerto Rico, and the Island of Guam.

The entire Territories of the Virgin Islands of the United States and the Island of Guam, the Northern Mariana Islands, and the Commonwealth of Puerto Rico are quarantined.

[43 FR 60864, Dec. 29, 1978]

§ 72.4 [Reserved]

§ 72.5 Area quarantined in Texas.

The area quarantined in Texas is the permanent quarantined area described in the regulations of the Texas Animal Health Commission (TAHC) contained in § 41.2 of title 4, part II, of the Texas Administrative Code (4 TAC 41.2), effective July 22, 1994, which is incorporated by reference. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies of 4 TAC 41.2 may be obtained from the TAHC at 2105 Kramer Lane, Austin, TX 78758, and from area offices of the TAHC, which are listed in local Texas telephone directories. The TAHC also maintains a copy of its regulations on its Internet homepage at http://www.tahc.state.tx.us/. Copies may be inspected at the Animal and Plant Health Inspection Service, Veterinary Services, Emergency Programs, Suite 3B08, 4700 River Road, Riverdale, MD, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

[64 FR 41266, July 30, 1999]

§ 72.6 Interstate movement of cattle from quarantined areas not eradicating ticks.

Cattle of any quarantined area where tick eradication is not being conducted,[3] which, with an interval of 7 to 12 days between dippings immediately preceding shipment, have been properly dipped twice with a permitted dip as provided in § 72.13, at a designated dipping station approved under § 72.16 that is located within the State of origin of the shipment, or which have been otherwise treated under the supervision of an APHIS inspector in a manner approved in specific cases by the Administrator, APHIS at such designated dipping station, and which just prior to final dipping are inspected by an APHIS inspector and found to be apparently free from ticks, may, so far as the regulations in this part are concerned, upon certification by the inspector, be shipped or transported interstate for any purpose upon compliance with the requirements set forth in §§ 72.9 through 72.15.

[36 FR 20358, Oct. 21, 1971; 38 FR 18011, July 6, 1973, as amended at 50 FR 430, Jan. 4, 1985; 56 FR 51974, 51975, Oct. 17, 1991; 59 FR 67612, Dec. 30, 1994]

§ 72.7 Interstate movement of cattle from cooperating States.

Cattle in areas where tick eradication is being conducted in cooperation with State authorities,[3] which on inspection by an APHIS inspector are found to be apparently free from ticks, may, after one dipping, with a permitted dip as provided in § 72.13, under the supervision of an APHIS inspector and certification by the inspector, be shipped or transported interstate for dip as provided in § 72.13, under the supervision of an APHIS inspector and certification by the inspector, be shipped or transported interstate for

[3] Information as to the identity of such areas may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Cattle Diseases and Surveillance, 4700 River Road Unit 36, Riverdale, Maryland 20737–1231.

any purpose upon compliance with the requirements set forth in §§ 72.9 through 72.15.

[36 FR 20358, Oct. 21, 1971, as amended at 56 FR 51975, Oct. 17, 1991]

§ 72.8 Interstate movement of cattle from free premises upon inspection and certification by APHIS inspector.

Cattle located in areas where tick eradication is being conducted in cooperation with the State authorities, and which are on premises shown by the official records of tick eradication to be free from ticks, may, upon inspection and certification by an APHIS inspector, be shipped or transported interstate for any purpose without dipping upon compliance with the requirements set forth under §§ 72.9, 72.10, 72.12.

[28 FR 5940, June 13, 1963, as amended at 56 FR 51975, Oct. 17, 1991]

§ 72.9 Interstate movements of cattle; inspection and certification by APHIS inspector required.

All interstate movements of inspected and certified and dipped and certified cattle shall be accompanied to final destination by a certificate of an APHIS inspector (which certificate shall show that the cattle so being moved have been dipped as required by § 72.6 or by § 72.7 and are free of ticks, or have been inspected as required by § 72.8 and are free of ticks); all such certificates shall be handled, delivered, kept, and preserved in accordance with the provisions of § 72.16; and all such cattle shall be handled through noninfectious pens, alleys, and chutes, and when shipped shall be loaded into clean and disinfected cars or trucks, and shall not be unloaded in the quarantined area except at such points reserved for noninfested cattle as may from time to time be authorized by APHIS.

[28 FR 5940, June 13, 1963, as amended at 56 FR 51975, Oct. 17, 1991]

§ 72.10 Inspected or dipped and certified cattle subject to restrictions of State of destination.

All such interstate movements of inspected or dipped and certified cattle are subject to such restrictions, which are not inconsistent with the regulations in this subchapter, as may be imposed at destination by the officials of the State, Territory, or the District of Columbia.

§ 72.11 Quarantined area; cattle considered infested; requirements for placing in noninfectious pens or premises.

Cattle of the quarantined area shall be considered infested and shall not be placed in noninfectious pens or premises until after the final inspection or dipping.

§ 72.12 Cattle; exposure to tick infestation after treatment or inspection prohibited.

The cattle shall not be exposed to tick infestation after treatment and/or inspection.

§ 72.13 Permitted dips and procedures.

(a) *Dipping requirements; facilities; handling.* The dipping of cattle for interstate movement shall be done only with a permitted dip and at places where proper equipment is provided for dipping and for handling the cattle in a manner to prevent exposure to infection after the final dipping. Cattle which are to be dipped shall be given an opportunity to drink sufficient water to quench their thirst prior to dipping, be carefully handled, and not dipped while they are in a heated or exhausted condition. Dipped cattle shall not be loaded for shipment until dry.[4]

(b) *Permitted dips.* The dips at present permitted by the Department in official dipping for interstate movement are:

(1) Approved proprietary brands of a Dioxathion (Delnav®) emulsifiable concentrate used at a concentration of 0.125 to 0.150 percent.[4]

[4] Care is required when treating animals and in maintaining required concentration of chemicals in dipping baths. Detailed information concerning the use of, criteria for, and names of proprietary brands of permitted dips for which specific permission has been granted, and concerning the use of compressed air, vat management techniques, and other pertinent information may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Cattle Diseases and Surveillance, 4700 River Road Unit 36, Riverdale, Maryland 20737–1231.

(2) Approved proprietary brands of coumaphos (Co-Ral[R]), 25 percent wettable powder or flowable form labeled for use as a 0.25 percent dip and used at a concentration of 0.125 to 0.250.[4]

(3) Approved proprietary brands of organophosphorous insecticides (Prolate®) if used in a Prolate-water bath where the concentration level is at least 0.15 percent and if used in accordance with the EPA approved label.

(4) Approved proprietary brands of organophosphorous insecticides (Ciodrin®) if used in a concentration of 0.44 to 0.54 percent and if used in accordance with the EPA approved label.

(c) *Approval of dips.* Proprietary brands of dips are permitted to be used for purposes of this part only when approved by the Administrator, APHIS. Before a dip will be specifically approved as a permitted dip for the eradication of ticks, APHIS will require that the product be registered under the provisions of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (7 U.S.C. 135 *et seq.*); that its efficacy and stability have been demonstrated; that trials have been conducted to determine that its concentration can be maintained and that under actual field conditions the dipping of cattle with a solution of definite strength will effectually eradicate ticks without injury to the animals dipped.

(d) *Tissue residues; restriction on slaughter.* Tissue residues are created following use of certain dips. Animals treated with such dips should not be slaughtered for food purposes until the expiration of such period as may be required under the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*). The length of this period shall be specified on each certificate issued by the inspector who supervises the dipping.

[33 FR 18089, Dec. 5, 1968, as amended at 34 FR 12214, July 24, 1969; 36 FR 19157, Sept. 30, 1971; 36 FR 19972, Oct. 14, 1971; 37 FR 13529, July 11, 1972; 38 FR 19012, July 17, 1973; 40 FR 12768, Mar. 21, 1975; 42 FR 19854, Apr. 15, 1977; 47 FR 11002, Mar. 15, 1982; 49 FR 19799, May 10, 1984; 49 FR 32540, Aug. 15, 1984; 50 FR 430, 431, Jan. 4, 1985; 56 FR 51974, Oct. 17, 1991]

§ 72.14 [Reserved]

§ 72.15 Owners assume responsibility; must execute agreement prior to dipping or treatment waiving all claims against United States.

When the cattle are to be dipped under APHIS supervision the owner of the cattle, offered for shipment, or his agent duly authorized thereto, shall first execute and deliver to an APHIS inspector an application for inspection and supervised dipping wherein he shall agree to waive all claims against the United States for any loss or damage to said cattle occasioned by or resulting from dipping or other treatment under this part, or resulting from any subsequent treatment prior to their interstate shipment, or resulting from the fact that they are later found to be still tick infested, and also for all subsequent loss or damage to any other cattle in the possession or control of such owner which may come into contact with the cattle so dipped or treated.

[28 FR 5940, June 13, 1963, as amended at 56 FR 51975, Oct. 17, 1991]

§ 72.16 Designated dipping stations to be approved by the Administrator, APHIS on recommendations of State authorities; facilities.

When deemed advisable and upon recommendation by the proper livestock sanitary authorities, designated dipping stations may be approved by the Administrator, APHIS as points at which cattle of the quarantined area of the State in which said station is located may be inspected, dipped, and certified for interstate movement. The facilities furnished shall include proper dipping equipment, noninfectious pens constructed in accordance with § 72.17 and a roofed or covered section of pens of sufficient size to protect all dipped animals from exposure to rain or hot sun. All alleys, chutes, and pens shall be paved or properly floored.

[28 FR 5940, June 13, 1963, as amended at 50 FR 430, Jan. 4, 1985; 56 FR 51974, Oct. 17, 1991]

§ 72.17 Unloading noninfected cattle for rest, feed, and water only, permitted in authorized pens for such purpose.

(a) *Specifications for construction and maintenance.* Cattle of the free area, and cattle of the quarantined area when properly dipped, inspected, and certified in accordance with this part, which are transported interstate by rail through the quarantined area shall not be unloaded therein for rest, feed, and water unless they are unloaded into the properly equipped, noninfectious pens set apart for such cattle at such points as may from time to time be authorized by APHIS. Such noninfectious pens and the platforms, chutes, and alleys leading thereto shall be constructed and maintained in accordance with the specifications set out in paragraphs (a)(1) to (6) of this section.

(1) The outside fences enclosing such pens, and the fences on either side of the alleys, chutes, and platforms leading thereto, shall be tight board fences not less than 6 feet high on the inside.

(2) If such pens, alleys, chutes, and platforms are adjacent to pens, alleys, chutes, and platforms used by cattle of the quarantined area, there shall be between them a space not less than 10 feet wide, which shall be inaccessible to livestock. This space shall be limited on each side by the 6–foot fence required by paragraph (a)(1) of this section. The remaining space around such yards shall be limited as in paragraph (a)(3) of this section.

(3) If such pens, alleys, chutes, and platforms are isolated from other pens, alleys, chutes, or platforms, there shall be built and maintained outside thereof on all sides to which cattle of the vicinity might otherwise approach a cattle-proof fence not less than 5 feet high and not less than 15 feet from the 6–foot fence required by paragraph (a)(1) of this section.

(4) The only means of egress from such pens shall be by way of the alleys, chutes, and platforms inclosed by 6–foot fences as required by paragraph (a)(1) of this section, to cars for reforwarding; and under no circumstances shall there exist any connection between such pens and other adjacent premises.

(5) Such noninfectious premises shall be so located, or such drainage facilities shall be provided therefor, that water from the surrounding area will not flow on to or through them.

(6) Such pens shall be marked by a conspicuous sign bearing the words ''Noninfectious Pens'' in letters not less than 10 inches in height.

(b) *Materials for use in noninfectious pens; source, shipment, handling.* The hay, straw, or similar materials required for feed and bedding in such noninfectious pens shall be shipped in noninfectious cars from points outside of the quarantined area so handled that they may not become infectious.

[28 FR 5940, June 13, 1963, as amended at 56 FR 51975, Oct. 17, 1991]

§ 72.18 Movement interstate; specification by the Deputy Administrator, Veterinary Services of treatment required when dipping facilities unavailable.

(a) *Tick-infested cattle.* Cattle of the free area which are tick-infested may be moved interstate for any purpose after they have been treated in the same manner as cattle under § 72.6: *Provided, however,* That when dipping equipment is not available at the place where the cattle are, said treatment shall be given at a place and in the manner specified by the Administrator, APHIS.

(b) *Tick-exposed cattle.* Cattle of the free area which have been exposed to tick infestation may be moved interstate for any purpose after they have been treated in the same manner as cattle under § 72.7: *Provided, however,* That when dipping equipment is not available at the place where the cattle are, said treatment shall be given at a place and in the manner specified by the Administrator, APHIS.

(c) *Cattle moved contrary to regulations.* Cattle which have been moved from the quarantined area to the free area without first having been treated in the manner provided in either § 72.6 or § 72.7 or inspected in the manner provided in § 72.8 shall not be shipped or moved interstate until they have been treated in the same manner as cattle under § 72.6: *Provided, however,* That when dipping equipment is not available at the place where the cattle are,

said treatment shall be given at a place and in the manner specified by the Administrator, APHIS.

[28 FR 5940, June 13, 1963, as amended at 50 FR 430, Jan. 4, 1985; 56 FR 51974, Oct. 17, 1991]

§ 72.19 Interstate shipments and use of pine straw, grass, litter from quarantined area; prohibited until disinfected.

Pine straw, grass, or similar litter collected from tick-infested pastures, ranges, or premises may disseminate the contagion of splenetic, southern, or Texas fever; therefore pine straw, grass, or similar litter originating in the quarantined area shall not be transported or moved interstate therefrom or used as packing material or car bedding for commodities or livestock to be transported or moved from the quarantined area of any State, Territory, or the District of Columbia, to or through the free area of any other State, Territory, or the District of Columbia, unless such material is first disinfected in accordance with the provisions of § 72.24.

§ 72.20 Exhibition of noninfected cattle in the quarantined area; restrictions under which permitted.

The exhibition of noninfected cattle at fairs or exhibitions in the quarantined area and their reshipment to the free area without dipping may, by written order of the Administrator, APHIS be permitted: *Provided,* That the cattle shall be handled under such conditions as may be prescribed in each case to preclude any danger of the spread of infection.

[28 FR 5940, June 13, 1963, as amended at 56 FR 51974, Oct. 17, 1991]

§ 72.21 Animals infested with or exposed to ticks subject to same restrictions as cattle.

Animals other than cattle which are infested with ticks [Boophilus annulatus (Margaropus annulatus), Boophilus microplus, or Rhipicephalus evertsi evertsi] or exposed to tick infestation shall not be moved interstate unless they are treated, handled, and moved in accordance with the requirements specified in §§ 72.9 through 72.15 and § 72.18 of this part governing the interstate movement of cattle.

§ 72.22 Cars, vehicles, and premises; cleaning and treatment after containing infested or exposed animals.

Cars and other vehicles, and yards, pens, chutes, or other premises or facilities, which have contained interstate shipments of animals infested with or exposed to ticks, shall be cleaned and treated within 72 hours of use and prior to further use in the required concentration with a permitted dip listed in § 72.13 under supervision of a State or Federal inspector or an accredited veterinarian.

[38 FR 21996, Aug. 15, 1973]

§ 72.23 Cars or other vehicles having carried infested or exposed cattle in quarantined area shall be cleaned and treated.

Cars or others vehicles which have carried cattle exposed to or infested with ticks within the quarantined area of any State shall be cleaned and treated in the required concentration with a permitted dip listed in § 72.13 before being moved interstate under supervision of a State or Federal inspector or an accredited veterinarian.

[38 FR 21996, Aug. 15, 1973]

§ 72.24 Litter and manure from carriers and premises of tick-infested animals; destruction or treating required.

The litter and manure removed from cars, boats, or other vehicles and from pens, chutes, alleys, or other premises or inclosures which have contained interstate shipments of tick-infested animals, shall be destroyed or treated by the transportation or yard company, or other owner thereof, under APHIS supervision, by saturating it in the required concentration with a permitted dip listed in § 72.13, or shall be otherwise disposed of under prior permission received from the Administrator, APHIS.

[38 FR 21996, Aug. 15, 1973, as amended at 56 FR 51974, 51975, Oct. 17, 1991]

§ 72.25 Dipping methods.

Dipping is accomplished by thoroughly wetting the entire skin by either immersion in a chemical solution in a dip vat, or by spraying with a

chemical solution using a spray-dip machine or a hand-held sprayer.

[50 FR 430, Jan. 4, 1985]

PART 73—SCABIES IN CATTLE

Sec.

73.1 Interstate movement prohibited.
73.1a [Reserved]
73.1b Quarantine policy.
73.1c Definitions.
73.2 Interstate shipment for immediate slaughter from quarantined or nonquarantined areas; conditions under which permitted.
73.3 Shipment for purposes other than slaughter; conditions under which permitted.
73.4 Interstate shipment of exposed but not visibly diseased cattle from a quarantined or nonquarantined area; conditions under which permitted.
73.5 Interstate shipment of undiseased cattle from quarantined area; when permitted.
73.6 Placarding means of conveyance and marking billing of shipments of treated scabby cattle or cattle exposed to scabies.
73.7 Movement from quarantined to free area and shipment therefrom; restrictions under which permitted.
73.8 Cattle infected or exposed during transit.
73.9 Owners assume responsibility; must execute agreement prior to dipping or treatment waiving all claims against United States.
73.10 Permitted dips; substances allowed.
73.11 Treatment of means of conveyance and premises having contained scabby cattle.
73.12 Ivermectin.

AUTHORITY: Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791–792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132; 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b, 134f; 7 CFR 2.22, 2.80, and 371.2(d).

§ 73.1 Interstate movement prohibited.

(a) *Cattle affected with scabies.* No cattle affected with scabies shall be shipped, trailed, driven, or otherwise moved interstate for any purpose except as provided in this part.

(b) *Cattle affected with or exposed to scabies.* No cattle which, just prior to movement, were affected with or exposed to scabies shall be shipped, trailed, driven, or otherwise moved interstate for any purpose except as provided in this part.

(c) *Cattle from area quarantined for scabies.* No cattle shall be shipped, trailed, driven, or otherwise moved interstate from the area quarantined for the disease of scabies in cattle except as provided in this part.

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976]

§ 73.1a [Reserved]

§ 73.1b Quarantine policy.

The Act of March 3, 1905, as amended (21 U.S.C. 123), authorizes the Secretary of Agriculture to quarantine any State, or any portion of any State, when he determines the fact that any animals in such jurisdiction are affected with any contagious, infectious, or communicable disease of livestock or that the contagion of any such disease exists, or that vectors which may disseminate any such disease exist in such jurisdiction. Pursuant to this authority, the Department has quarantined various areas because of cattle scabies and has issued the regulations in this part governing the interstate movement of cattle from such areas. It is the policy of the Department to quarantine those portions of any State that are clearly identifiable, and in which exist animals affected with cattle scabies, or mites which are the contagion of said disease and not to quarantine an entire State for cattle scabies if the State adopts and enforces requirements for the intrastate movement of cattle that are at least as stringent as the requirements in the regulations in this part for interstate movements of cattle. Further, it is the policy of the Department to remove the quarantine from any quarantined area when it is determined that scabies-affected animals and the mites which are the contagion of scabies no longer exist in such areas.

[38 FR 31671, Nov. 16, 1973]

§ 73.1c Definitions.

For purposes of this part the following terms shall have the meaning set forth in this section.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

APHIS Inspector. A veterinarian or livestock inspector employed by the Animal and Plant Health Inspection Service, U.S. Department of Agriculture, in animal health activities, who is authorized to perform the function involved.

State Inspector. A veterinarian or livestock inspector regularly employed in animal health activities by a State or a political subdivision thereof, authorized by such State or political subdivision to perform the function involved under a cooperative agreement with the U.S. Department of Agriculture.

[41 FR 5384, Feb. 6, 1976, as amended at 56 FR 52463, Oct. 21, 1991]

§ 73.2 Interstate shipment for immediate slaughter from quarantined or nonquarantined areas; conditions under which permitted.

(a) *Conditions under which permitted after one dipping.* Cattle which, just prior to shipment, were affected with scabies but have been dipped once in a permitted dip (other than a toxaphene dip), under the supervision of an APHIS inspector or State inspector, within 10 days prior to the date of shipment may be shipped or transported interstate for immediate slaughter to a recognized slaughtering center, upon compliance with the following conditions:

(1) They shall not be diverted en route.

(2) The means of conveyance shall be placarded and the billing shall be marked ''Treated Scabby Cattle,'' in accordance with § 73.6.

(b) *After one dipping; to be slaughtered within 14 days or redipped by owner.* Cattle shipped interstate subject to the provisions of paragraph (a) of this section shall be slaughtered within 14 days from the date of the dipping or shall be again dipped by the owner.

(c) *When part of diseased herd not visibly affected.* Cattle of the free area not visibly diseased with scabies, but which may be part of a diseased herd, may be shipped or transported interstate for immediate slaughter to any recognized slaughtering center where separate pens are provided for yarding exposed cattle: *Provided,* That means of conveyance in which the cattle are transported shall be placarded and the billing accompanying the shipment shall be marked ''Cattle Exposed to Scabies'' in accordance with § 73.6.

(d) *Undiseased herds in quarantined area; conditions under which permitted.* Cattle of herds of the quarantined area which are not diseased with scabies may be shipped, transported, or otherwise moved interstate for immediate slaughter, upon inspection by an APHIS or State inspector within 10 days prior to the date of shipment and when accompanied by a certificate from such inspector showing the cattle to be free from disease.

(Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791, 792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132, 76 Stat. 663; 7 U.S.C. 450 and 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b and 134f; 7 CFR 2.17, 2.51, 371.2(d))

[31 FR 8907, June 28, 1966, as amended at 36 FR 23996, Dec. 17, 1971; 38 FR 18011, July 6, 1973; 41 FR 5384, Feb. 6, 1976; 49 FR 10530, Mar. 20, 1984; 49 FR 33120, Aug. 21, 1984; 56 FR 52463, Oct. 21, 1991]

§ 73.3 Shipment for purposes other than slaughter; conditions under which permitted.

Cattle affected with scabies may be shipped interstate for any purpose if dipped twice in a permitted dip, 10 to 14 days apart, under the supervision of an APHIS inspector or State inspector, and so certified by such inspector, or such cattle may be so shipped if dipped once in a permitted dip under APHIS supervision or State supervision at the point of origin, provided arrangements have been made for the second dipping, under APHIS supervision, en route or at destination within 10 to 14 days after the first dipping. If shipped in the latter manner the means of conveyance containing the cattle shall be placarded and the billing shall be marked

''Treated Scabby Cattle,'' in accordance with § 73.6.

(Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791, 792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132, 76 Stat. 663; 7 U.S.C. 450 and 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b and 134f; 7 CFR 2.17, 2.51, 371.2(d))

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976; 49 FR 10530, Mar. 20, 1984; 49 FR 33120, Aug. 21, 1984; 56 FR 52463, Oct. 21, 1991]

§ 73.4 Interstate shipment of exposed but not visibly diseased cattle from a quarantined or nonquarantined area; conditions under which permitted.

Cattle not visibly diseased with scabies, but which are known to be part of a diseased herd or to have come in contact with diseased cattle or infectious means of conveyance or premises, may be shipped interstate for any purpose if dipped at the point of origin, under the supervision of an APHIS inspector or State inspector, in a permitted dip, or the cattle may be dipped en route by special permission first had and obtained from the Administrator; but in such event the means of conveyance shall be placarded and the billing shall be marked ''Cattle Exposed to Scabies,'' in accordance with § 73.6, and the cattle shall not be permitted to mingle with other cattle until disposed of in accordance with the regulations in this part.

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976; 56 FR 52463, Oct. 21, 1991]

§ 73.5 Interstate shipment of undiseased cattle from quarantined area; when permitted.

Cattle of any herd in any quarantined area, which herd is not diseased with scabies, may be shipped, transported, or otherwise moved interstate for any purpose upon inspection by an APHIS or State inspector within 10 days prior to the date of shipment and when accompanied by a certificate from such inspector showing the cattle to be free from such disease or exposure thereto. When it is determined by the Administrator that all cattle of all herds in any quarantined area have been inspected for scabies by an APHIS or State inspector, that all the infected or exposed herds have been identified, and that all the infected herds have been dipped twice, and all the exposed herds have been dipped in a permitted dip as prescribed in § 73.10, under supervision of an APHIS or APHIS–approved inspector, cattle of herds in such area which are not diseased with or exposed to scabies may be moved interstate in accordance with this section, without further APHIS inspection or certification, directly to a slaughtering plant where Federal Meat Inspection is maintained: *Provided further,* that treatment with ivermectin may be used in lieu of dipping for a herd of cattle treated together if the herd is physically separated for 14 days following treatment from all cattle not a part of the herd treated together with ivermectin. Information may be obtained from an APHIS inspector whether a determination as required by this section is currently applicable to authorize such movement. Cattle moved interstate under this section shall not be diverted en route and must be accompanied by a waybill or similar document, or a statement signed by the owner or shipper of the cattle, stating: (a) That the cattle are not known to be infected with scabies or exposed thereto; (b) [Reserved]; (c) the purpose for which the cattle are to be moved; (d) the number of the cattle; (e) the point from which the cattle are to be moved interstate; (f) that the cattle shall not be diverted en route; and (g) the name and address of the owner or shipper of the cattle.

(Approved by the Office of Management and Budget under control number 0579–0051)

(Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791, 792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132, 76 Stat. 663; 7 U.S.C. 450 and 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b and 134f; 7 CFR 2.17, 2.51, 371.2(d))

[31 FR 8907, June 28, 1966 as amended at 36 FR 23996, Dec. 17, 1971; 38 FR 10252, Apr. 26, 1973; 38 FR 18011, July 6, 1973; 41 FR 5384, Feb. 6, 1976; 48 FR 57472, Dec. 30, 1983; 49 FR 10530, Mar. 20, 1984; 49 FR 33120, Aug. 21, 1984; 56 FR 52463, Oct. 21, 1991]

§ 73.6 Placarding means of conveyance and marking billing of shipments of treated scabby cattle or cattle exposed to scabies.

When cattle are shipped as ''Treated Scabby Cattle,'' or ''Cattle Exposed to Scabies,'' the transportation companies shall securely affix to and maintain upon both sides of each means of conveyance carrying such cattle a durable, conspicuous placard, not less than 5½ by 8 inches in size, on which shall be printed with permanent black ink in boldfaced letters, not less than 1½ inches in height, the words, ''Treated Scabby Cattle,'' or ''Cattle Exposed to Scabies,'' as the case may be. These placards shall also show the name of the place from which the shipment was made, the date of the shipment (which must correspond to the date of the waybills and other papers), the name of the transportation company, and the name of the place of destination. The carrier issuing the waybills, conductors' manifests, memoranda, and bills of lading pertaining to such shipments shall plainly write or stamp upon the face of each such paper the words, ''Treated Scabby Cattle,'' or ''Cattle Exposed to Scabies,'' as the case may be. If for any reason the placards required by this part have not been affixed to the means of conveyance as aforesaid, or the placards have been removed, destroyed, or rendered illegible, or the cattle are rebilled or are transferred to other means of conveyance, the placards shall be immediately affixed or replaced by the carrier, and the new waybills shall be marked as aforesaid by the carrier issuing them, the intention being that the billing accompanying the shipment shall be marked and the means of conveyance containing the cattle shall be placarded ''Treated Scabby Cattle,'' or ''Cattle Exposed to Scabies,'' as the case may be, from the time of shipment until the cattle arrive at destination or point of dipping and the disposition of the means of conveyance is indicated by an APHIS inspector or State inspector.

(Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791, 792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132, 76 Stat. 663; 7 U.S.C. 450 and 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b and 134f; 7 CFR 2.17, 2.51, 371.2(d))

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976; 49 FR 10530, Mar. 20, 1984; 49 FR 33120, Aug. 21, 1984; 56 FR 52463, Oct. 21, 1991]

§ 73.7 Movement from quarantined to free area and shipment therefrom; restrictions under which permitted.

No person, firm, or corporation shall deliver for transportation, transport, drive on foot, or otherwise move interstate from the free area of any State, Territory, or the District of Columbia any cattle which have been moved from the quarantined area of the same State, Territory, or the District of Columbia into such free area: *Provided, however,* That such cattle may be delivered for transportation, transported, driven on foot, or otherwise moved interstate for the purposes for which the shipment, transportation, or other movement interstate of cattle of the quarantined area is permitted by this part, *Provided,* That in such shipment and transportation or other movement the requirements of this part governing the shipment and transportation or other movement of cattle of the quarantined area are strictly complied with: *And provided further,* That this section shall not apply to cattle of the quarantined area which, before being moved into the free area, are certified by an APHIS inspector or State inspector as free from disease and are accompanied by such certificate in their shipment by transportation or other movement interstate.

(Approved by the Office of Management and Budget under control number 0579–0051)

(44 U.S.C. 3506)

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976; 48 FR 57472, Dec. 30, 1983; 56 FR 52463, Oct. 21, 1991]

§ 73.8 Cattle infected or exposed during transit.

(a) *Healthy cattle from unquarantined State exposed en route.* Should healthy cattle in transit from a State not quarantined by the Secretary of Agriculture for scabies in cattle be unloaded en route and placed in infectious premises, they shall be treated as exposed cattle, and their further movement shall be subject to the provisions of this part with respect to the movement of exposed cattle.

(b) *Interstate shipments of cattle under APHIS or State certificate found affected or exposed en route.* Cattle shipped interstate under a certificate from an APHIS inspector or State inspector or other cattle which are found en route to be affected with scabies or to have been exposed thereto, shall thereafter be handled in the same manner as diseased or exposed cattle are required by this part to be handled, and the means of conveyance and the chutes, alleys, and pens which have been occupied by diseased animals shall be cleaned and disinfected as provided in §§ 71.4 through 71.11 of this subchapter.

[28 FR 5945, June 13, 1963, as amended at 41 FR 5384, Feb. 6, 1976; 56 FR 52463, Oct. 21, 1991]

§ 73.9 Owners assume responsibility; must execute agreement prior to dipping or treatment waiving all claims against United States.

When the cattle are to be dipped under APHIS supervision or control, the owner of the cattle offered for shipment, or his agent duly authorized thereto, shall first execute and deliver to an APHIS inspector an application for inspection and supervised dipping wherein he shall agree to waive all claims against the United States for any loss or damage to said cattle occasioned by or resulting from dipping or other treatment under this part, or resulting from any subsequent treatment prior to their interstate shipment, or resulting from the fact that they are later found to be still scabies infested, and also for all subsequent loss or damage to any other cattle in the possession or control of such owner which may come into contact with the cattle so dipped or treated.

[41 FR 4012, Jan. 28, 1976, as amended at 56 FR 52463, Oct. 21, 1991]

§ 73.10 Permitted dips; substances allowed.

(a) The dips at present permitted by the Department for the treatment, as required in this part, of cattle affected with or exposed to scabies, are as follows:

(1) Lime-sulphur dip, other than proprietary brands thereof, made in the proportion of 12 pounds of unslaked lime (or 16 pounds of commercial hydrated lime, not airslaked lime) and 24 pounds of flowers of sulphur or sulphur flour to 100 gallons of water; or a specifically permitted proprietary brand of lime-sulphur dip.

(2) Dips made from specifically permitted proprietary brand emulsions of toxaphene and maintained throughout the dipping operation at a concentration between 0.50 and 0.60 percent toxaphene. Animals treated by such dips should not be slaughtered for food purposes until the expiration of such period as may be required under the Federal Meat Inspection Act (21 U.S.C., Supp. III, 601 *et seq.*). The length of this required period shall be specified on each certificate issued by the APHIS inspector or State inspector who supervises the dipping with such dips.

(3) Approved proprietary brands of coumaphos (Co-Ral[R]), 25 percent wettable powder or flowable form used at a concentration of 0.30 percent.

(4) Approved proprietary brands of organophosphorous insecticides (Prolate[R]) used at a concentration of 0.15 percent to 0.25 percent.

(b) The dipping bath for lime-sulphur dip must be used at a temperature of 95° to 105° F., and must be maintained through the dipping operation at a concentration of not less than 2 percent of ''sulphide sulphur'', as indicated by the field test for lime-sulphur dipping baths approved by the APHIS.[1] The

[1] The field test for lime-sulphur dipping baths is described in U.S. Department of Agriculture Bulletin 163, for sale by the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, at 5 cents a copy.

dipping bath for toxaphene emulsions must be kept within a temperature range of 40°–80° F., and at a concentration between 0.50 and 0.60 percent throughout the dipping operations.[2]

(c) Proprietary brands of lime-sulphur or toxaphene dips may be used in official dipping only after specific permission therefor has been granted by the Administrator. Before a dip will be specifically approved as a permitted dip for the eradication of scabies in cattle, the APHIS[3] will require that the product be registered under the provisions of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (7 U.S.C. 135 *et seq.*); that is efficacy and stability have been demonstrated; that trials have been conducted to determine that its concentration can be maintained and that under actual filed conditions the dipping of cattle in a bath of definite strength will effectually eradicate scabies infection without injury to the animals dipped.

[34 FR 7443, May 8, 1969, as amended at 39 FR 39715, Nov. 11, 1974; 40 FR 12768, Mar. 21, 1975; 40 FR 42179, Sept. 11, 1975; 41 FR 5384, Feb. 6, 1976; 41 FR 37307, Sept. 3, 1976; 50 FR 431, Jan. 4, 1985; 56 FR 52463, Oct. 21, 1991]

§ 73.11 Treatment of means of conveyance and premises having contained scabby cattle.

Means of conveyance, yards, pens, sheds, chutes, or other premises or facilities which have contained cattle of a consignment in which scabies is found shall be treated within 72 hours of use and prior to further use in the required concentration with a permitted dip listed in § 73.10 under supervision of a State or Federal inspector or an accredited veterinarian.

[38 FR 21996, Aug. 15, 1973, as amended at 41 FR 5384, Feb. 6, 1976]

[2] Care must be exercised in dipping animals and in maintaining the bath at the standard concentration. Detailed instructions will be issued for the guidance of employees who may be called upon to use them in the scabies eradication program.

[3] Information as to the names of such dips may be obtained from the APHIS or a APHIS inspector.

§ 73.12 Ivermectin.[1]

(a) Cattle affected with scabies or which just prior to movement were affected with or exposed to scabies may be moved interstate from a nonquarantined area after being treated with ivermectin under the supervision of an APHIS inspector or State inspector in accordance with the directions on the label of the drug if the following conditions are met:

(1) Such cattle are kept physically separated for 14 days following treatment from all cattle not part of the group treated together with ivermectin (regardless of whether the cattle are moved interstate before the end of the 14-day period); and

(2) If such cattle are moved interstate before the end of the 14th day following treatment, at the time of interstate movement they are accompanied by a certificate issued and signed by an APHIS inspector or State inspector identifying the group of cattle treated with ivermectin and stating the date on which the cattle were treated with ivermectin; and

(3) If such cattle are moved interstate before the end of the 14th day following treatment, at the time of interstate movement the means of conveyance carrying them is placarded and the billing marked in accordance with § 73.6.

NOTE: Cattle from nonquarantined areas which are not affected with scabies or which just prior to movement were not affected with or exposed to scabies may be moved

[1] Tissue residues remain following treatment with ivermectin. Cattle treated with ivermectin are not allowed to be slaughtered for food purposes until the expiration of such period as may be required under the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*). Further, the animal drug regulations in 21 CFR parts 522 and 556 promulgated under the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 301 *et seq.*) contain limitations on the use of ivermectin and contain tolerances for ivermectin in edible cattle tissue. With respect to the limitations 21 CFR part 522 provides the following: ''For subcutaneous use only. Not for intramuscular use. Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. Federal law restricts this drug to use by or on the order of a licensed veterinarian.''

interstate without restrictions under this part. Accordingly, cattle from nonquarantined areas which had been treated with ivermectin more than 14 days before movement interstate may be moved interstate without restriction under this part unless following treatment they become affected with scabies or just prior to movement become affected with or exposed to scabies.

(b) Cattle may be moved interstate from a quarantined area after being treated with ivermectin under the supervision of an APHIS inspector or State inspector in accordance with the directions on the label of the drug if the following conditions are met:

(1) Such cattle are moved interstate within 21 days following treatment with ivermectin; and

(2) Such cattle are kept physically separated for 14 days following treatment from all cattle not part of the group treated together with ivermectin (regardless of whether the cattle are moved interstate before the end of the 14 day period); and, if such cattle are moved within the 15- to 21-day period following treatment, they remain kept physically separated from all cattle not a part of the group treated together with ivermectin until after they are moved interstate; and

(3) Such cattle are accompanied at the time of interstate movement by a certificate issued and signed by an APHIS inspector or State inspector identifying the group of cattle treated with ivermectin and stating the date on which the cattle were treated with ivermectin; and

(4) If such cattle are moved interstate before the end of the 14 day period following treatment, at the time of interstate movement the means of conveyance carrying them is placarded and the billing marked in accordance with § 73.6.

(Secs. 4–7, 23 Stat. 32, as amended; secs. 1 and 2, 32 Stat. 791, 792, as amended; secs. 1–4, 33 Stat. 1264, 1265, as amended; secs. 3 and 11, 76 Stat. 130, 132, 76 Stat. 663; 7 U.S.C. 450 and 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b and 134f; 7 CFR 2.17, 2.51, 371.2(d))

[49 FR 10530, Mar. 20, 1984 and 49 FR 33120, Aug. 21, 1984; 56 FR 52463, Oct. 21, 1991]

PART 74 [RESERVED]

PART 75—COMMUNICABLE DISEASES IN HORSES, ASSES, PONIES, MULES, AND ZEBRAS

DOURINE IN HORSES AND ASSES

Sec.
75.1–75.3 [Reserved]

EQUINE INFECTIOUS ANEMIA (SWAMP FEVER)

75.4 Interstate movement of equine infectious anemia reactors and approval of laboratories, diagnostic facilities, and research facilities.

CONTAGIOUS EQUINE METRITIS (CEM)

75.5–75.10 [Reserved]

AUTHORITY: 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, and 134–134h; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5950, June 13, 1963, unless otherwise noted.

DOURINE IN HORSES AND ASSES

§§ 75.1–75.3 [Reserved]

EQUINE INFECTIOUS ANEMIA (SWAMP FEVER)

§ 75.4 Interstate movement of equine infectious anemia reactors and approval of laboratories, diagnostic facilities, and research facilities.

(a) *Definitions.* For the purpose of this section, the following terms have the meanings set forth in this paragraph.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

APHIS representative. An individual employed by APHIS who is authorized to perform the functions involved.

Approved stockyard. A stockyard, livestock market, or other premises, under state or federal veterinary supervision where horses or other equines are assembled for sale purposes, and which has been approved by the Administrator under § 71.20 of this chapter.

Certificate. An official document issued by a State representative, APHIS representative, or an accredited veterinarian at the point of origin of the interstate movement on which are listed: (1) The description, including age, breed, color, sex, and distinctive markings when present (such as brands, tattoos, scars or blemishes), of each reactor to be moved; (2) the number of reactors covered by the document; (3) the purpose for which the reactors are to be moved; (4) the points of origin and destination; (5) consignor; and (6) the consignee; and which states that each reactor identified on the certificate meets the requirements of § 75.4(b).

Interstate. From any State into or through any other State.

Official seal. A serially numbered metal or plastic strip, or a serially numbered button, consisting of a self-locking device on one end and a slot on the other end, which forms a loop when the ends are engaged and which cannot be reused if opened. It is applied by an APHIS representative or State representative.

Official test. Any test for the laboratory diagnosis of equine infectious anemia that utilizes a diagnostic product that is: (1) Produced under license from the Secretary of Agriculture, and found to be efficacious for that diagnosis, under the Virus-Serum-Toxin Act of March 4, 1913, and subsequent amendments (21 U.S.C. 151 *et seq.*); and (2) conducted in a laboratory approved by the Administrator.

Officially identified. The permanent identification of a reactor using the National Uniform Tag code number assigned by the United States Department of Agriculture to the State in which the reactor was tested, followed by the letter ''A'',[1] which markings shall be permanently applied to the reactor by an APHIS representative, State representative or accredited veterinarian who shall use for the purpose a hot iron or chemical brand, freezemarking or a lip tattoo. If hot iron or chemical branding or freezemarking is used, the markings shall be not less than two inches high and shall be applied to the left shoulder or left side of the neck of the reactor. If a lip tattoo is used, each character of the tattoo shall be not less than one inch high and three-fourths of an inch wide and shall be applied to the inside surface of the upper lip of the reactor.

Operator. The individual responsible for the day-to-day operations of the specifically approved stockyard.

Permit. An official document (VS Form 1–27 or a State form which contains the same information, but not a ''permit for entry'') issued by an APHIS representative, State representative, or accredited veterinarian which lists the owner's name and address, points of origin and destination, number of animals covered, purpose of the movement, and one of the following: The individual animal registered breed association registration tattoo, individual animal registered breed association registration number, or similar individual identification, including name, age, sex, breed, color, and markings.

Reactor. Any horse, ass, mule, pony or zebra which is subjected to an official test and found positive.

State. Any State, the District of Columbia, Puerto Rico, the Virgin Islands of the United States, Guam, the Northern Mariana Islands, or any other territory or possession of the United States.

State animal health official. The individial employed by a State who is responsible for livestock and poultry disease control and eradication programs.

State representative. An individual employed in animal health activities of a

[1] Information as to the National Uniform Tag code number system can be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

State or a State's political subdivision, who is authorized by that State to perform the function involved under a cooperative agreement with the United States Department of Agriculture.

Veterinarian in Charge. The veterinary official of APHIS who is assigned by the Administrator to supervise and perform the animal health activities of APHIS in the State concerned.

(b) *Interstate movement.* No reactor may be moved interstate unless the reactor is officially identified, is accompanied by a certificate, and meets the conditions of either paragraph (b)(1), (b)(2), (b)(3), or (b)(4) of this section: *Provided,* That official identification is not necessary if the reactor is moved directly to slaughter under a permit and in a conveyance sealed with an official seal:

(1) The reactor is moved interstate for immediate slaughter, either to a Federally inspected slaughtering establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or to a State-inspected slaughtering establishment that has inspection by a State representative at time of slaughter; or

(2) The reactor is moved interstate to a diagnostic or research facility after the individual issuing the certificate has consulted with the State animal health official in the State of destination and has determined that the reactor to be moved interstate will be maintained in isolation sufficient to prevent the transmission of equine infectious anemia to other horses, asses, ponies, mules, or zebras, and will remain quarantined under State authority at the diagnostic or research facility until natural death, slaughter, or until disposed of by euthanasia; or

(3) The reactor is moved interstate to its home farm after the individual issuing the certificate has consulted with the State animal health official in the State of destination and has determined that the reactor to be moved interstate will be maintained in isolation sufficient to prevent the transmission of equine infectious anemia to other horses, asses, ponies, mules, or zebras, and will remain quarantined under State authority on the reactor's home farm until natural death, slaughter, or until disposed of by euthanasia; and

(4) The reactor is moved interstate through no more than one approved stockyard for sale for immediate slaughter, and is moved within five days of its arrival at the approved stockyard directly to:

(i) Slaughter at a federally inspected slaughtering establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*), or,

(ii) Slaughter at a state-inspected slaughtering establishment that has inspection by a state representative at the time of slaughter, or,

(iii) The home farm of the reactor in accordance with paragraph (b)(3) of this section.

(c) *Approval of Laboratories, and Diagnostic or Research Facilities.* (1) The Administrator will approve laboratories to conduct the official test only after consulting with the State animal health official in the State in which the laboratory is located and after determining that the laboratory: (i) Has technical personnel assigned to conduct the official test who have received training prescribed by the National Veterinary Services Laboratories; (ii) uses United States Department of Agriculture licensed antigen; (iii) follows standard test protocol prescribed by the National Veterinary Services Laboratories; (iv) meets check test proficiency requirements prescribed by the National Veterinary Services Laboratories; and (v) reports all official test results to the State animal health official and the Veterinarian in Charge.[2]

(2) The Administrator will approve diagnostic or research facilities to

[2] Training requirements, standard test protocols, and check test proficiency requirements prescribed by the National Veterinary Services Laboratories, and the names and addresses of approved laboratories can be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

which reactors may be moved interstate under paragraph (b)(2) of this section, after a determination by the Administrator that the facility has facilities and employs procedures which are adequate to prevent the transmission of equine infectious anemia from reactors to other equine animals.[3]

(d) *Denial and withdrawal of approval of laboratories and diagnostic or research facilities.* The Administrator may deny or withdraw approval of any laboratory to conduct the official test, or of any diagnostic or research facility to receive reactors moved interstate, upon a determination that the laboratory or diagnostic or research facility does not meet the criteria for approval under paragraph (c) of this section.

(1) In the case of a denial, the operator of the laboratory or facility will be informed of the reasons for denial and may appeal the decision in writing to the Administrator within 10 days after receiving notification of the denial. The appeal must include all of the facts and reasons upon which the person relies to show that the laboratory or facility was wrongfully denied approval to conduct the official test or receive reactors moved interstate. The Administrator will grant or deny the appeal in writing as promptly as circumstances permit, stating the reason for his or her decision. If there is a conflict as to any material fact, a hearing will be held to resolve the conflict. Rules of practice concerning the hearing will be adopted by the Administrator.

(2) In the case of withdrawal, before such action is taken, the operator of the laboratory or facility will be informed of the reasons for the proposed withdrawal. The operator of the laboratory or facility may appeal the proposed withdrawal in writing to the Administrator within 10 days after being informed of the reasons for the proposed withdrawal. The appeal must include all of the facts and reasons upon which the person relies to show that the reasons for the proposed withdrawal are incorrect or do not support the withdrawal of the approval of the laboratory or facility to conduct the official test or receive reactors moved interstate. The Administrator will grant or deny the appeal in writing as promptly as circumstances permit, stating the reason for his or her decision. If there is a conflict as to any material fact, a hearing will be held to resolve the conflict. Rules of practice concerning the hearing will be adopted by the Administrator. However, the withdrawal shall become effective pending final determination in the proceeding when the Administrator determines that such action is necessary to protect the public health, interest, or safety. Such withdrawal shall be effective upon oral or written notification, whichever is earlier, to the operator of the laboratory or facility. In the event of oral notification, written confirmation shall be given as promptly as circumstances allow. The withdrawal shall continue in effect pending the completion of the proceeding, and any judicial review thereof, unless otherwise ordered by the Administrator.

(3) Approval for a laboratory to conduct the official test will be automatically withdrawn by the Administrator when the operator of the approved laboratory notifies the National Veterinary Services Laboratories in Ames, Iowa, in writing, that the laboratory no longer conducts the official test.

(4) Approval for a diagnostic or research facility to receive reactors moved interstate will be automatically withdrawn by the Administrator when the operator of the approved diagnostic or research facility notifies the Administrator, in writing, that the diagnostic or research facility no longer receives reactors moved interstate.

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 12597, Apr. 14, 1986, as amended at 51 FR 30327, Aug. 26, 1986; 55 FR 13506, 13507, Apr. 11, 1990; 57 FR 2440, Jan. 22, 1992; 57 FR 57337, Dec. 4, 1992; 59 FR 67133, Dec. 29, 1994; 59 FR 67613, Dec. 30, 1994; 60 FR 14619, Mar. 20, 1995; 62 FR 27936, May 22, 1997]

[3] Facilities and procedures which are adequate to prevent the transmission of equine infectious anemia, and the names and addresses of approved diagnostic or research facilities, can be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

CONTAGIOUS EQUINE METRITIS (CEM)

§§ 75.5–75.10 [Reserved]

PART 76 [RESERVED]

PART 77—TUBERCULOSIS

Subpart A—Cattle and Bison

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AUTHORITY: 21 U.S.C. 111, 114, 114a, 115–117, 120, 121, 134b, and 134f; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 43 FR 34431, Aug. 4, 1978, unless otherwise noted.

Subpart A—Cattle and Bison

§ 77.1 Definitions.

As used in this subpart, the following terms shall have the meanings set forth in this section except as otherwise specified.

Accredited-free State or zone. A State or zone that has zero percent prevalence of affected cattle and bison herds, that has had no findings of tuberculosis in any cattle or bison in the State or zone for the previous 5 years, and that complies with the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication,'' except that the requirement of freedom from tuberculosis is 2 years from the depopulation of the last infected herd in States or zones that were previously accredited-free and in which all herds affected with tuberculosis were depopulated.

Accredited-free (suspended) State or zone. A State or zone with the status of an accredited-free State is designated as accredited-free (suspended) if tuberculosis is detected in any cattle or bison in the State or zone.

Accredited herd. To establish or maintain accredited herd status, the herd owner must comply with all of the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' regarding accredited herds. All cattle and bison in a herd must be free from tuberculosis.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this subchapter to perform functions specified in subchapters B, C, and D of this chapter.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Affected herd. A herd in which tuberculosis has been disclosed in any cattle or bison by an official tuberculin test or by postmortem examination.

Animal. All species of animals except man, birds, or reptiles.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Approved feedlot. A confined area approved jointly by the State animal health official and the Administrator

for feeding cattle and bison for slaughter, with no provisions for pasturing or grazing.

Cattle and bison not known to be affected. All cattle and bison except those originating from tuberculosis affected herds or from herds containing tuberculosis suspect cattle or bison.

Certificate. An official document issued by an APHIS representative, a State representative, or an accredited veterinarian at the point of origin of a shipment of cattle and bison to be moved under this part, which shows the identification tag, tattoo, or registration number or similar identification of each animal to be moved, the number, breed, sex, and approximate age of the animals covered by the document, the purpose for which the animals are to be moved, the date and place of issuance, the points of origin and destination, the consignor, and the consignee, and which states that the animal or animals identified on the certificate meet the requirements of this part.

Department. The U.S. Department of Agriculture (USDA).

Designated tuberculosis epidemiologist. A State or Federal epidemiologist designated by the Administrator to make decisions concerning the use and interpretation of diagnostic tests for tuberculosis and the management of tuberculosis affected herds.

Exposed cattle and bison. Cattle and bison, except reactor cattle and bison, which are part of an affected herd.

Herd. Any group of livestock maintained on common ground for any purpose, or two or more groups of livestock under common ownership or supervision, geographically separated but that have an interchange or movement of livestock without regard to health status, as determined by the Administrator.

Interstate. From one State into or through any other State.

Livestock. Cattle, bison, cervids, swine, dairy goats, and other hoofed animals (such as llamas, alpacas, and antelope) raised or maintained in captivity for the production of meat and other products, for sport, or for exhibition.

Modified accredited State or zone. A State or zone that complies with the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' and in which tuberculosis has been prevalent in less than 0.01 percent of the total number of herds of cattle and bison in the State or zone for the most recent 2 years, except that the Administrator, upon his or her review, may allow a State or zone with fewer than 30,000 herds to have up to 3 affected herds for each of the most recent 2 years, depending on the veterinary infrastructure, livestock demographics, and tuberculosis control and eradication measures in the State or zone.

Moved. Shipped, transported, or otherwise moved, or delivered or received for movement.

Negative cattle and bison. Cattle and bison that are classified negative for tuberculosis in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication,'' based on the results of an official tuberculin test.

Nonmodified accredited State or zone. A State or zone that has not received accredited-free State or zone status or modified accredited State or zone status.

Official eartag. An eartag approved by the Administrator as providing unique identification for each individual animal by conforming to the alpha-numeric National Uniform Eartagging System.

Official seal. A seal issued by a State or APHIS representative.

Official tuberculin test. Any test for tuberculosis conducted on cattle or bison in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication.''

Officially identified. Identified by means of official eartag, individual tattoo, or individual hot brand.

Permit. An official document issued for movement of cattle or bison under this subpart by an APHIS representative, State representative, or an accredited veterinarian at the point of origin of a shipment of cattle or bison to be moved directly to slaughter, which shows the tuberculosis status of each animal (reactor, suspect, or exposed), the ear tag number of each animal and the name of the owner of such animal, the establishment to which the

animals are to be moved, the purpose for which the animals are to be moved and that they are eligible for such movement under the applicable provisions of §§ 77.5 and 77.6 of this subpart.

Person. Any individual, corporation, company, association, firm, partnership, society, or joint stock company, or other legal entity.

Reactor cattle and bison. Cattle and bison that are classified as reactors for tuberculosis in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication''.

State. Any State, territory, the District of Columbia, or Puerto Rico.

State animal health official. The State official responsible for livestock and poultry disease control and eradication programs.

State representative. A veterinarian or other person employed in livestock sanitary work of a State or political subdivision thereof and who is authorized by such State or political subdivision thereof to perform the function involved under a memorandum of understanding with the Department.

Suspect cattle and bison. Cattle and bison that are classified as suspects for tuberculosis in accordance with the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication''.

Transportation document. Any document accompanying the interstate movement of cattle or bison, such as an owner's statement, manifest, switch order, or vehicle record, on which is stated: (1) The point from which the animals are moved interstate; (2) the destination of the animals; (3) the number of animals covered by the document; and (4) the name and address of the owner or shipper.

Tuberculosis. The contagious, infectious, and communicable disease caused by *Mycobacterium bovis.*

Uniform Methods and Rules—Bovine Tuberculosis Eradication. Uniform methods and rules for eradicating bovine tuberculosis in the United States approved by APHIS on January 22, 1999. The Uniform Methods and Rules—Bovine Tuberculosis Eradication, January 22, 1999, edition was approved for incorporation by reference into the Code of Federal Regulations by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51.[1]

Zero percent prevalence. No finding of tuberculosis in any cattle or bison herd in a State or zone.

Zone. A defined geographic land area identifiable by geological, political, manmade, or surveyed boundaries, with mechanisms of disease spread, epidemiological characteristics, and the ability to control the movement of animals across the boundaries of the zone taken into account.

(Approved by the Office of Management and Budget under control number 0579–0084)

[40 FR 27009, June 26, 1975]

EDITORIAL NOTE: For Federal Register citations affecting § 77.1, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 77.2 Bovine tuberculosis status of States and zones.

The Administrator shall designate each State in accordance with this subpart according to its tuberculosis status. A defined zone comprised of a portion of an entire State will be given a particular status designation upon request of the State only if the Administrator determines that:

(a) The State meets the requirements of this subpart for establishment of disease status zones;

(b) The State has adopted and is enforcing regulations that impose restrictions on the intrastate movement of cattle and bison that are substantially the same as those in place under this subpart for the interstate movement of cattle and bison, and has adopted and is enforcing regulations that impose restrictions on the intrastate movement of captive cervids that are substantially the same as those in place under subpart B of this part for the interstate movement of captive cervids; and

(c) The designation of part of a State as a zone will otherwise be adequate to

[1] Copies may be obtained from the National Animal Health Programs, Veterinary Services, APHIS, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231. You may inspect a copy at the APHIS reading room, room 1141, USDA South Building, 14th Street and Independence Avenue, SW., Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., Suite 700, Washington, DC.

prevent the interstate spread of tuberculosis.

[64 FR 58777, Nov. 1, 1999]

§ 77.3 Accredited-free States or zones.

(a) The following are accredited-free States: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Utah, Vermont, Virginia, the Virgin Islands of the United States, Washington, West Virginia, Wisconsin, and Wyoming.

(b) The following are accredited-free zones: A zone in Michigan consisting of that part of the State outside the zone in Michigan described in § 77.5(b).

(c) Detection of tuberculosis in any one herd of cattle or bison in an accredited-free State or zone will result in suspension of accredited-free State or zone status. If two or more accredited herds are detected in an accredited–free State or zone within a 48-month period, the State or zone will be removed from the list of accredited-free States or zones and will be reclassified as either a modified accredited State or zone or a nonmodified accredited State or zone.

(d) If the accredited-free status of a State or zone has been suspended, the State or zone may qualify for redesignation of accredited-free status after the herd in which tuberculosis is detected has been quarantined, an epidemiological investigation has confirmed that the disease has not spread from the herd, and all reactor cattle and bison have been destroyed. If any livestock other than cattle or bison are included in a newly assembled herd on a premises where a tuberculous herd has been depopulated, the State or zone must apply the herd test requirements contained in the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' January 22, 1999, edition, which was approved for incorporation by reference into the Code of Federal Regulations by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51,[2] for such newly assembled herds to those other livestock in the same manner as to cattle and bison. Failure to do so will result in reclassification of the State or zone as either a modified accredited State or zone or a nonmodified accredited State or zone.

(e) If tuberculosis is diagnosed within an accredited-free State or zone in an animal not specifically regulated by this part and a risk assessment conducted by APHIS determines that the outbreak poses a tuberculosis risk to livestock within the State or zone, the State or zone must adopt a tuberculosis management plan, approved jointly by the State animal health official and the Administrator, within 6 months of the diagnosis. The management plan must include provisions for immediate investigation of tuberculosis in livestock and wildlife, the prevention of the spread of the disease to other wildlife and livestock, increased surveillance of tuberculosis in wildlife, eradication of tuberculosis from individual herds, a timeline for tuberculosis eradication, and performance standards by which to measure yearly progress toward eradication. If a State or zone does not adopt such a plan within the required 6 months, the State or zone will lose its accredited-free status and will be reclassified as either a modified accredited State or zone or a nonmodified accredited State or zone.

(f) Accredited-free State or zone status must be renewed annually. To qualify for renewal of accredited-free State or zone status, a State must submit an annual report to APHIS certifying that the State or zone within the State complies with all the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' regarding

[2] Copies may be obtained from the National Animal Health Programs, Veterinary Services, APHIS, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231. You may inspect a copy at the APHIS reading room, room 1141, USDA South Building, 14th Street and Independence Ave., SW., Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., Suite 700, Washington, DC.

accredited–free States. The report must be submitted to APHIS each year between October 1 and November 30.

[64 FR 58778, Nov. 1, 1999]

§ 77.4 Modified accredited States or zones.

(a) The following are modified accredited States: New Mexico and Texas.

(b) The following are modified accredited zones: None.

(c) If tuberculosis is diagnosed within a modified accredited State or zone in an animal not specifically regulated by this part and a risk assessment conducted by APHIS determines that the outbreak poses a tuberculosis risk to livestock within the State or zone, the State or zone must adopt a tuberculosis management plan, approved jointly by the State animal health official and the Administrator, within 6 months of the diagnosis. The management plan must include provisions for immediate investigation of tuberculosis in livestock and wildlife, the prevention of the spread of the disease to other wildlife and livestock, increased surveillance of tuberculosis in wildlife, eradication of tuberculosis from individual herds, a timeline for tuberculosis eradication, and performance standards by which to measure yearly progress toward eradication. If a State or zone does not adopt such a plan within the required 6 months, the State or zone will be reclassified as nonmodified accredited.

(d) If any livestock other than cattle or bison are included in a newly assembled herd on a premises where a tuberculous herd has been depopulated, the State or zone must apply the herd test requirements contained in the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication, January 22, 1999 edition,'' which was approved for incorporation by reference into the Code of Federal Regulations by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51,[3] for such newly assembled herds to those other livestock in the same manner as to cattle and bison. Failure to do so will result in the removal of the State or zone from the list of modified accredited States or zones and its being reclassified as a nonmodified accredited State or zone.

(e) Modified accredited State or zone status must be renewed annually. To qualify for renewal of a modified accredited State or zone status, a State must submit an annual report to APHIS certifying that the State or zone complies with all the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'' regarding modified accredited States. The report must be submitted to APHIS each year between October 1 and November 30.

(f) To qualify for accredited-free status, a modified accredited State or zone must demonstrate to the Administrator that it has zero percent prevalence of affected cattle and bison herds, has had no findings of tuberculosis in any cattle or bison in the State or zone for the previous 5 years, and complies with the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication'', except that the requirement of freedom from tuberculosis is 2 years from the depopulation of the last infected herd in States or zones that were previously accredited-free and in which all herds affected with tuberculosis were depopulated.

[64 FR 58778, Nov. 1, 1999]

§ 77.5 Nonmodified accredited States or zones.

(a) The following are nonmodified accredited States: None.

(b) The following are nonmodified accredited zones: A zone in Michigan delineated by starting at the juncture of State Route 55 and Interstate 75, then heading northwest and north along Interstate 75 to the Straits of Mackinac, then southeast and south along the shoreline of Michigan to the eastern terminus of State Route 55, then west along State Route 55 to Interstate 75.

[3] Copies may be obtained from the National Animal Health Programs, Veterinary Services, APHIS, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231. You may inspect a copy at the APHIS reading room, room 1141, USDA South Building, 14th Street and Independence Ave., SW., Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., Suite 700, Washington, DC.

(c) To qualify for accredited-free status, a nonmodified accredited State or zone must demonstrate to the Administrator that it has zero percent prevalence of affected cattle and bison herds, has had no findings of tuberculosis in any cattle or bison in the State or zone for the previous 5 years, and complies with the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication, January 22, 1999 edition,'' which was incorporated by reference into the Code of Federal Regulations by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51,[4] except that the requirement of freedom from tuberculosis is 2 years from the depopulation of the last infected herd in States or zones that were previously accredited-free and in which all herds affected with tuberculosis were depopulated.

(d) To qualify for modified accredited status, a nonmodified accredited State or zone must demonstrate that it complies with the provisions of the ''Uniform Methods and Rules—Bovine Tuberculosis Eradication,'' and that tuberculosis has been prevalent in less than 0.01 percent of the total number of herds of cattle and bison in the State or zone for the most recent 2 years, except that the Administrator, upon his or her review, may allow a State or zone with fewer than 30,000 herds to have up to 3 affected herds for each of the most recent 2 years, depending on the veterinary infrastructure, livestock demographics, and tuberculosis control and eradication measures in the State or zone.

[64 FR 58779, Nov. 1, 1999]

§ 77.6 Interstate movement from accredited-free, accredited-free (suspended), and modified accredited States and zones.

Cattle and bison that originate in an accredited-free State or zone, an accredited-free (suspended) State or zone, or a modified accredited State or zone and that are not known to be infected with or exposed to tuberculosis may be moved interstate without restriction.

[64 FR 58779, Nov. 1, 1999]

§ 77.7 Interstate movement from nonmodified accredited States and zones.

Cattle or bison that originate in a nonmodified accredited State or zone, and that are not known to be infected with or exposed to tuberculosis, may be moved interstate only under the following conditions:

(a) The cattle or bison are moved interstate directly to slaughter to an establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or to a State-inspected slaughtering establishment that has inspection by a State inspector at the time of slaughter;

(b) If the cattle or bison are steers or spayed heifers, or are officially identified sexually intact heifers moved to an approved feedlot, they must be accompanied by a certificate stating that they have been classified negative to an official tuberculin test that was conducted within 30 days prior to the date of movement. All cattle and bison so moved that are not individually identified by a registration name and number must be individually identified by an APHIS-approved metal eartag or tattoo;

(c) Cattle and bison that are breeding animals from an accredited herd may be moved interstate if they are accompanied by a certificate showing the cattle or bison are from such a herd; or

(d) If the cattle or bison are breeding animals that are not from an accredited herd, they must be accompanied by a certificate stating that they have been classified negative to two official tuberculin tests conducted at least 60 days apart and no more than 6 months apart, with the second test conducted within 30 days prior to the date of movement. All cattle and bison so moved that are not individually identified by a registration name and number must be individually officially identified.

[64 FR 58779, Nov. 1, 1999]

[4] Copies may be obtained from the National Animal Health Programs, Veterinary Services, APHIS, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231. You may inspect a copy at the APHIS reading room, room 1141, USDA South Building, 14th Street and Independence Ave., SW., Washington, DC, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

§ 77.8 Application for and retention of recognition of tuberculosis status zones.

(a) A State animal health official may request at any time that the Administrator designate part of a State as having a different tuberculosis status under this subpart than the rest of the State, except that each State may be divided into no more than two different zones. The requested zone must be delineated by the State animal health authorities, subject to approval by the Administrator. The request from the State must demonstrate that the State complies with the following requirements:

(1) The State must have the legal and financial resources to implement and enforce a tuberculosis eradication program and must have in place an infrastructure, laws, and regulations that require and ensure that State and Federal animal health authorities are notified of tuberculosis cases in domestic livestock or outbreaks in wildlife;

(2) The State in which the intended zones are located must maintain, in each intended zone, clinical and epidemiological surveillance of animal species at risk of tuberculosis, at a rate that allows detection of tuberculosis in the overall population of livestock at a 2 percent prevalence rate with 95 percent confidence. The designated tuberculosis epidemiologist must review reports of all testing for each zone within the State within 30 days of the testing; and

(3) The State must enter into a memorandum of understanding with APHIS in which the State agrees to adhere to any conditions for zone recognition particular to that request.

(b) Retention of APHIS recognition of a tuberculosis status zone is subject to annual review by the Administrator. To retain recognition of a zone, a State must continue to comply with the requirements of paragraphs (a)(1), (a)(2), and (a)(3) of this section, and must retain for 2 years all certificates required under this part for the movement of cattle, bison, and captive cervids.

[64 FR 58779, Nov. 1, 1999]

§ 77.9 Interstate movement of cattle and bison that are exposed, reactors, or suspects, or from herds containing suspects.

(a) *Reactor cattle and bison.* Cattle or bison which have been classified as reactor cattle or bison may be moved interstate only if they are moved directly to slaughter at an establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or to a State-inspected slaughtering establishment which has inspection by a State inspector at the time of slaughter, and only upon compliance with the following conditions:

(1) Reactor cattle and bison must be individually identified by attaching to the left ear an approved metal eartag bearing a serial number and the inscription ''U.S. Reactor'', or a similar State reactor tag, and must be:

(i) Branded with the letter ''T,'' at least 5 by 5 centimeters (2 by 2 inches) in size, high on the left hip near the tailhead; or

(ii) Permanently identified with the letters ''TB'' tattooed legibly in the left ear and sprayed with yellow paint on the left ear, and either accompanied directly to slaughter by an APHIS or State representative or moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(2) The reactor cattle or bison shall be accompanied by a permit; and

(3) The reactor cattle or bison shall not be moved interstate in a means of conveyance containing any animals susceptible to tuberculosis unless all of the animals are being moved directly to slaughter; and

(4) Any person who moves reactor cattle or bison interstate under this paragraph shall plainly write or stamp upon the face of the transportation document the words ''Tuberculin Reactor'' and the following statement: ''This conveyance shall be cleaned and disinfected in accordance with § 77.5(a)(5) of the regulations.''; and

(5) Each means of conveyance in which reactor cattle or bison have been

transported interstate under this paragraph shall be cleaned and disinfected by the carrier, in accordance with the provisions of §§ 71.6, 71.7, and 71.10 of this subchapter, under the supervision of an APHIS representative or State representative or an accredited veterinarian or other person designated by the Administrator. If, at the point where the cattle are unloaded, such supervision or proper cleaning and disinfecting facilities are not available, and permission is obtained from an APHIS representative or State representative, the empty means of conveyance may be moved to a location where such supervision and facilities are available for cleaning and disinfecting. Permission shall be granted if such movement does not present a risk of the dissemination of tuberculosis.

(b) *Exposed cattle and bison.* Except for the movement of exposed cattle to a quarantined feedlot in accordance with § 50.16 of this chapter, exposed cattle or exposed bison shall be moved interstate only if they are moved directly to slaughter to an establishment operating in accordance with the Federal Meat Inspection Act (21 U.S.C. 601–695) or to a state inspected slaughtering establishment which has inspection by a state inspector at the time of slaughter and only in accordance with the following conditions:

(1) Exposed cattle and bison must be individually identified by attaching to either ear an approved metal eartag bearing a serial number, and must be:

(i) Branded with the letter ''S,'' at least 5 by 5 centimeters (2 by 2 inches) in size, high on the left hip near the tailhead; or

(ii) Accompanied directly to slaughter by an APHIS or State representative; or

(iii) Moved directly to slaughter in vehicles closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(2) Such exposed cattle or bison shall be moved in accordance with the requirements pertaining to reactor cattle or bison contained in paragraphs (a)(2), (a)(3), and (a)(5) of this section.

(c) *Suspect cattle and bison.* Suspect cattle or bison which have not been retested and found negative from herds in which no reactor cattle or bison have been disclosed on an official tuberculin test, and negative cattle or bison from such herds, shall only be moved interstate if they are moved directly to slaughter to an establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or to a State inspected slaughtering establishment which has inspection by a State inspector at the time of slaughter.

(Approved by the Office of Management and Budget under control number 0579–0051)

[43 FR 34431, Aug. 4, 1978, as amended at 51 FR 33736, Sept. 23, 1986; 52 FR 1317, Jan. 13, 1987. Redesignated at 52 FR 39615, Oct. 23, 1987, and amended at 52 FR 39616, Oct. 23, 1987; 54 FR 31165, July 27, 1989; 60 FR 48367, Sept. 19, 1995; 61 FR 25138, May 20, 1996. Redesignated at 64 FR 58779, Nov. 1, 1999]

§ 77.10 Other movements.

The Administrator may, with the concurrence of the livestock sanitary officials of the State of destination, upon request in specific cases, permit the movement of cattle or bison not otherwise provided for in this subpart which have not been classified as reactor cattle or bison and are not otherwise known to be affected with tuberculosis, under such conditions as he may prescribe in each specific case to prevent the spread of tuberculosis. The Administrator shall promptly notify the appropriate livestock sanitary officials of the State of destination of any such action.

[43 FR 34431, Aug. 4, 1978. Redesignated at 52 FR 39615, Oct. 23, 1987, and amended at 52 FR 39616, Oct. 23, 1987; 54 FR 31165, July 27, 1989; 63 FR 72122, Dec. 31, 1998. Redesignated at 64 FR 58779, Nov. 1, 1999]

§ 77.11 Cleaning and disinfection of premises, conveyances, and materials.

All conveyances and associated equipment, premises, and structures that are used for receiving, holding, shipping, loading, unloading, and delivering cattle or bison in connection with their interstate movement and

that are determined by cooperating State and Federal animal health officials to be contaminated because of occupation or use by tuberculous or reactor livestock must be cleaned and disinfected under the supervision of the cooperating State or Federal animal health officials. Such cleaning and disinfecting must be done in accordance with procedures approved by the cooperating State or Federal animal health officials. Cleaning and disinfection must be completed before the premises, conveyances, or materials may again be used to convey, hold, or in any way come in contact with any livestock.

[63 FR 72122, Dec. 31, 1998. Redesignated at 64 FR 58779, Nov. 1, 1999]

Subpart B—Captive Cervids

SOURCE: 63 FR 72122, Dec. 31, 1998, unless otherwise noted.

§77.12 Definitions.

Accredited herd. A herd of captive cervids that has tested negative to at least three consecutive official tuberculosis tests of all eligible captive cervids in accordance with §77.14(f), and that meets the standards set forth in §77.16 of this subpart. The tests must be conducted at 9–15 month intervals.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of subchapter J to perform functions specified in subchapters B, C, and D of this chapter.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Affected herd. A herd of captive cervids that contains or that has contained one or more captive cervids infected with *Mycobacterium bovis* (determined by bacterial isolation of *M. bovis*) and that has not tested negative to the three whole herd tests as prescribed in §77.20(d) of this subpart.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Approved slaughtering establishment. A slaughtering establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or a slaughtering establishment that has inspection by a State inspector at the time of slaughter.

Blood tuberculosis (BTB) test. A supplemental test for tuberculosis in cervids.

Captive cervid. All species of deer, elk, moose, and all other members of the family Cervidae raised or maintained in captivity for the production of meat and other agricultural products, for sport, or for exhibition. A captive cervid that escapes will continue to be considered a captive cervid as long as it bears an official eartag or other identification approved by the Administrator as unique and traceable with which to trace the animal back to its herd of origin.

Classified herd. An accredited, qualified, or monitored herd.

Comparative cervical tuberculin (CCT) test. The intradermal injection of biologically balanced USDA bovine PPD tuberculin and avian PPD tuberculin at separate sites in the mid-cervical area to determine the probable presence of bovine tuberculosis (*M. bovis*) by comparing the response of the two tuberculins at 72 hours (plus or minus 6 hours) following injection.

Cooperating State and Federal animal health officials. The State and Federal animal health officials responsible for overseeing and implementing the National Cooperative State/Federal Bovine Tuberculosis Eradication Program.

Depopulate. To destroy all captive cervids in a herd by slaughter or by death otherwise.

Designated accredited veterinarian. An accredited veterinarian who is trained and approved by cooperating State and Federal animal health officials to conduct the single cervical tuberculin (SCT) test on captive cervids.

Designated tuberculosis epidemiologist (DTE). An epidemiologist designated by APHIS to make decisions concerning the use and interpretation of diagnostic tests and the management of affected herds under this subpart.

Exposed captive cervid. Any captive cervid that has been exposed to tuberculosis by reason of associating with captive cervids, cattle, bison, or other

livestock from which *M. bovis* has been isolated.

Herd. A group of captive cervids or a group of captive cervids and other livestock maintained on common ground, or two or more groups of captive cervids or captive cervids and other livestock under common ownership or supervision that are geographically separated but that have movement of animals between groups without regard to health status. (A group means one or more animals.)

Livestock. Cattle, bison, cervids, swine, dairy goats, and other hoofed animals (such as llamas, alpacas, and antelope) raised or maintained in captivity for the production of meat and other products, for sport, or for exhibition.

Monitored herd. A herd on which identification records are maintained on captive cervids inspected for tuberculosis at an approved slaughtering establishment or an approved diagnostic laboratory and on captive cervids tested for tuberculosis in accordance with interstate movement requirements, and which meets the standards set forth in § 77.18.

Moved directly. Moved without stopping or unloading at livestock assembly points of any type. Captive cervids being moved directly may be unloaded from the means of conveyance while en route only if they are isolated so that they cannot mingle with any livestock other than those with which they are being shipped.

Negative. Showing no response to the SCT test or the CCT test, classified by the testing laboratory as ''avian'' or ''negative'' on the BTB test, or classified negative for tuberculosis by the testing veterinarian based upon history, supplemental tests, examination of the carcass, and histopathology and culture of selected tissues.

No gross lesions (NGL). Having no visible lesions indicative of bovine tuberculosis detected upon necropsy or slaughter inspection.

Official eartag. An eartag approved by the Administrator as providing unique identification for each individual captive cervid by conforming to the alphanumeric National Uniform Eartagging System.

Official tuberculosis test. Any of the following tests for bovine tuberculosis in captive cervids, applied and reported in accordance with this subpart:

(1) The single cervical tuberculin (SCT) test;

(2) The comparative cervical tuberculin (CCT) test; and

(3) The blood tuberculosis (BTB) test.

Permit. An official document issued by a representative of APHIS, a State representative, or an accredited veterinarian that must accompany any reactor, suspect, or exposed captive cervid moved interstate.

Qualified herd. A herd of captive cervids that has tested negative to at least one official tuberculosis test of all eligible captive cervids (§ 77.14(f)) within the past 12 months, and that is not classified as an accredited herd.

Quarantine. Prohibition from interstate movement, except for slaughter or necropsy.

Reactor. Any captive cervid that shows a response to the SCT test or the CCT test, or is classified by the testing laboratory as ''*M. bovis* positive'' on the BTB test, and is classified a reactor by the testing veterinarian; or any suspect captive cervid that is classified a reactor upon slaughter inspection or necropsy after histopathology and/or culture of selected tissues by the USDA or State veterinarian performing or supervising the slaughter inspection or necropsy.

Regular-kill slaughter animal. An animal that is slaughtered for food or any reason other than because of a disease regulated under 9 CFR chapter I (such as tuberculosis, brucellosis, or any other livestock disease for which movement of animals is restricted under 9 CFR chapter I).

Single cervical tuberculin (SCT) test. The intradermal injection of 0.1 mL (5,000 tuberculin units) of USDA PPD bovis tuberculin in the mid-cervical area with reading by visual observation and palpation at 72 hours (plus or minus 6 hours) following injection.

Suspect. Any captive cervid that is not negative to the SCT test or the CCT test, or that is classified by the testing laboratory as equivocal on the BTB test, and that is not classified as a reactor by the testing veterinarian.

Tuberculin. A product that is approved by and produced under USDA license for injection into cervids and other animals for the purpose of detecting bovine tuberculosis.

Tuberculosis. The contagious, infectious, and communicable disease caused by *Mycobacterium bovis.* (Also referred to as bovine tuberculosis.)

Tuberculous. Having lesions indicative of tuberculosis, infected with tuberculosis based on isolation of *M. bovis,* or being from a herd in which *M. bovis* has been isolated.

USDA. The United States Department of Agriculture.

Whole herd test. An official tuberculosis test of all test eligible animals in the herd.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.13 General restrictions.

(a) Except for movement from accredited herds in accordance with § 77.16, no captive cervid may be moved interstate unless it has been tested using an official tuberculosis test, and it is moved in compliance with this subpart.

(b) No captive cervid with a response to any official tuberculosis test is eligible for interstate movement unless the captive cervid subsequently tests negative to a supplemental official tuberculosis test or is moved interstate directly to slaughter or necropsy in accordance with § 77.21.

(c) Except for captive cervids moving interstate under permit directly to slaughter or necropsy (§ 77.21), each captive cervid or shipment of captive cervids to be moved interstate must be accompanied by a certificate issued within 30 days of the movement by a State or Federal animal health official or an accredited veterinarian. The certificate must state the number of the official eartag or other identification approved by the Administrator for each captive cervid to be moved, the number of captive cervids covered by the certificate, the purpose of the movement, the origin and destination of the captive cervids, the consignor, and the consignee.

(d) Captive cervids in zoological parks that have been accredited by the American Zoo and Aquarium Association (AZA) are exempt from the regulations in this subpart when the captive cervids are moved directly interstate between AZA member facilities. Any captive cervids moved interstate that are not moved directly from an AZA member facility to another AZA member facility must be moved in accordance with the regulations in this subpart.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.14 Testing procedures for tuberculosis in captive cervids.

(a) *Approved testers.* Except as explained in paragraphs (a)(1) and (a)(2) of this section, official tuberculosis tests may only be given by a veterinarian employed by the State in which the test is administered or by a veterinarian employed by USDA.

(1) A designated accredited veterinarian may conduct the SCT test, except as provided in § 77.15(a)(2) and § 77.20(e) and (f).

(2) Any accredited veterinarian may conduct the BTB test.

(b) *Approved diagnostic laboratories.* (1) With one exception, histopathology and culture results for all tuberculosis diagnoses will be accepted only from the National Veterinary Services Laboratories (NVSL) in Ames, Iowa. The exception is that results will be accepted from a laboratory of the Food Safety and Inspection Service, USDA, for tissue examination of regular-kill slaughter animals in those cases where no submission is made to NVSL.

(2) The following laboratories are approved to perform the BTB test: Texas Veterinary Medical Center laboratory at Texas A&M University in College Station, Texas.

(c) *Identification.* Any captive cervid tested with an official tuberculosis test must bear official identification in the form of an official eartag, or another identification device or method approved by the Administrator as unique and traceable, at the time of the official tuberculosis test. Use of any identification device or method other than an official eartag must first be approved by the Administrator as unique and traceable. Written requests for approval must be sent to National Animal Health Programs, VS, APHIS, 4700

River Road Unit 43, Riverdale, MD 20737–1231.

(d) *Reporting of tests*—(1) *SCT and CCT tests.* For the SCT and CCT tests, the testing veterinarian must submit a report to cooperating State and Federal animal health officials of the State in which the captive cervid is tested. The report must include the following information for all SCT and CCT tests administered: The number of the individual eartag or other identification approved by the Administrator; the age, sex, and breed of each captive cervid tested; a record of all responses; the size of each response for the CCT test; and the test interpretation.

(2) *BTB test.* Copies of the BTB test results must be submitted by the testing laboratory to the person, firm, or corporation responsible for the management of the herd, cooperating State and Federal animal health officials of the State in which the captive cervid is tested, and the testing veterinarian. The report must include the following information for all BTB tests administered: The number of the individual eartag or other identification approved by the Administrator; the age, sex, and breed of each captive cervid tested; the test interpretation, and a summary of supporting data. Full supporting data must be submitted by the testing laboratory on a case-by-case basis at the request of cooperating State and Federal animal health officials.

(e) *Test interpretation.* (1) Interpretation of an SCT test will be based upon the judgment of the testing veterinarian after observation and palpation of the injection site, in accordance with the classification requirements described in § 77.15(a).

(2) Interpretation of a CCT test will be in accordance with the classification requirements described in § 77.15(b).

(3) Interpretation of a BTB test will be in accordance with the patented standards for the BTB test[5] and the classification requirements described in § 77.15(c).

(f) *Captive cervids eligible for testing.* Except as provided in § 77.16(a)(1) and § 77.17(a)(1), testing of herds for classification must include all captive cervids 1 year of age or over and any captive cervids other than natural additions (captive cervids born into the herd) under 1 year of age.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.15 Official tuberculosis tests.

(a) *Single cervical tuberculin (SCT) test.* (1) The SCT test is the primary test to be used in individual captive cervids and in herds of unknown tuberculous status. Each captive cervid that responds to the SCT test must be classified as a suspect until it is retested with either the CCT test or the BTB test and is either found negative for tuberculosis or is classified as a reactor, unless, with the exception of a designated accredited veterinarian, the testing veterinarian determines that the captive cervid should be classified as a reactor based on its response to the SCT test. A designated accredited veterinarian must classify a responding captive cervid as a suspect, unless the DTE determines, based on epidemiological evidence, that the captive cervid should be classified as a reactor.

(2) The SCT test is the primary test to be used in affected herds and in herds that have received captive cervids from an affected herd. When used with affected herds or in herds that have received captive cervids from an affected herd, the SCT test may only be administered by a veterinarian employed by the State in which the test is administered or employed by USDA. In affected herds or herds that have received captive cervids from an affected herd, each captive cervid that responds to the SCT test must be classified as a reactor, unless the DTE determines that the captive cervid should be classified as a suspect because of possible exposure to a tuberculous animal.

(b) *Comparative cervical tuberculin (CCT) test.* (1) The CCT test is a supplemental test that may only be used for retesting captive cervids classified as suspects. The CCT test may be used in

[5] The patented standards for the BTB test may be obtained from the Texas Veterinary Medical Center, College of Veterinary Medicine, Texas A&M University, College Station, Texas, or from the Deer Research Laboratory, Department of Microbiology, University of Otago, P.O. Box 56, Dunedin, New Zealand.

affected herds only after the herd has tested negative to at least two whole herd SCT tests, and only with the prior written consent of the DTE. The CCT test may not be used as a primary test for herds of unknown tuberculous status.

(2) A captive cervid tested with the CCT test must be classified as negative if it has a response to the bovine PPD tuberculin that is less than 1 mm.

(3) Unless the testing veterinarian determines that the captive cervid should be classified as a reactor because of possible exposure to a tuberculous animal, a captive cervid tested with the CCT test must be classified as a suspect if:

(i) It has a response to the bovine PPD tuberculin that is greater than 2 mm and that is equal to the response to the avian PPD tuberculin; or

(ii) It has a response to the bovine PPD tuberculin that is equal to or greater than 1mm and equal to or less than 2mm, and that is equal to or greater than the response to the avian PPD tuberculin.

(4) A captive cervid tested with the CCT test must be classified as a reactor if:

(i) It has a response to the bovine PPD tuberculin that is greater than 2 mm and that is at least 0.5 mm greater than the response to the avian PPD tuberculin; or

(ii) It has been classified as a suspect on two successive CCT tests.

(iii) Any exceptions to reactor classification under the conditions in paragraph (b)(4)(i) and (b)(4)(ii) of this section must be justified by the testing veterinarian in writing and have the concurrence of the DTE.

(c) *Blood tuberculosis (BTB) test.* (1) The BTB test is a supplemental test that may be used in place of the CCT test for retesting captive cervids classified as suspects.

(2) Except as provided in §77.20(e), any captive cervid classified by the testing laboratory as ''equivocal'' will be classified as a suspect.

(3) Any captive cervid classified by the testing laboratory as ''M. bovis positive'' will be classified as a reactor.

(4) Any captive cervid classified by the testing laboratory as ''avian'' or ''negative'' will be considered negative for tuberculosis.

(5) The owner of the captive cervid tested is responsible for the cost of the BTB test.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§77.16 Interstate movement from accredited herds.

(a) *Qualifications.* To be recognized as an accredited herd:

(1) All captive cervids in the herd eligible for testing in accordance with §77.14(f) must have tested negative to at least three consecutive official tuberculosis tests, conducted at 9–15 month intervals. However, captive cervids under 1 year of age that are not natural additions to the herd do not have to be tested if they were born in and originate from an accredited herd.

(2) The owner of the herd must have a document issued by cooperating State or Federal animal health officials stating that the herd has met the requirements in paragraph (a)(1) of this section and is classified as an accredited herd.

(b) *Movement allowed.* A captive cervid from an accredited herd may be moved interstate without further tuberculosis testing if it is accompanied by a certificate, as provided in §77.13(c), that includes a statement that the captive cervid is from an accredited herd. If a group of captive cervids from an accredited herd is being moved interstate together to the same destination, all captive cervids in the group may be moved under one certificate.

(c) *Herd additions allowed.* No captive cervid may be added to an accredited herd except in accordance with paragraphs (c)(4) and (c)(5), and either paragraph (c)(1), (c)(2), or (c)(3) of this section, as follows:

(1) The captive cervid to be added must be moved directly from an accredited herd;

(2) The captive cervid to be added must be moved directly from a qualified or monitored herd and must have tested negative to an official tuberculosis test conducted within 90 days prior to movement to the premises of the accredited herd. Any captive cervid moved from a qualified or monitored

herd must also be isolated from all members of the accredited herd until it tests negative to an official tuberculosis test conducted at least 90 days following the date of arrival at the premises of the accredited herd. If a group of captive cervids is being moved together, the entire group must be isolated from all other livestock, but captive cervids in the group need not be isolated from each other, during the testing period. Such herd additions will not receive status as members of the accredited herd for purposes of interstate movement until they have tested negative to an official tuberculosis test and been released from isolation; or

(3) If the captive cervid to be added is not being moved directly from a classified herd, the captive cervid must be isolated from all other members of the herd of origin and must test negative to two official tuberculosis tests. The isolation must begin at the time of the first official tuberculosis test. The tests must be conducted at least 90 days apart, and the second test must be conducted within 90 days prior to movement to the premises of the accredited herd. The captive cervid must also be isolated from all members of the accredited herd until it tests negative to an official tuberculosis test conducted at least 90 days following the date of arrival at the premises of the accredited herd. If a group of captive cervids is being moved together, the entire group must be isolated from all other animals, but captive cervids in the group need not be isolated from each other, during the testing period. Such herd additions will not receive status as members of the accredited herd for purposes of interstate movement until they have tested negative to an official tuberculosis test and have been released from isolation.

(4) A captive cervid to be added must not have been exposed during the 90 days prior to its movement to either:

(i) A captive cervid from a herd with a lower classification status than its own; or

(ii) Any tuberculous livestock.

(d) *Maintenance of accredited herd status.* To maintain status as an accredited herd, the herd must test negative to an official tuberculosis test within 21–27 months from the anniversary date of the third consecutive test with no evidence of tuberculosis disclosed (that is, the test on which the herd was recognized as accredited, or the accrediting test). Each time the herd is tested for reaccreditation, it must be tested 21–27 months from the anniversary date of the accrediting test, not from the last date of reaccreditation (for example, if a herd is accredited on January 1 of a given year, the anniversary date will be January 1 of every second year). Accredited herd status is valid for 24 months (730 days) from the anniversary date of the accrediting test. If the herd is tested between 24 and 27 months after the anniversary date, its accredited herd status will be suspended for the interim between the anniversary date and the reaccreditation test. During the suspension period, the herd will be considered ''unclassified'' and captive cervids may be moved interstate from the herd only in accordance with § 77.15.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.17 Interstate movement from qualified herds.

(a) *Qualifications.* To be recognized as a qualified herd:

(1) All captive cervids in the herd eligible for testing in accordance with § 77.14(f) must have tested negative to one official tuberculosis test that was administered to the herd within a 7-month period. However, captive cervids under 1 year of age that are not natural additions do not have to be tested if they were born in and originate from an accredited, qualified, or monitored herd.

(2) The owner of the herd must have a document issued by cooperating State and Federal animal health officials stating that the herd has met the requirement in paragraph (a)(1) of this section and is classified as a qualified herd.

(b) *Movement allowed.* A captive cervid from a qualified herd may be moved interstate only if:

(1) The captive cervid is not known to be infected with or exposed to tuberculosis; and

(2) The captive cervid is accompanied by a certificate, as provided in § 77.13(c), that includes a statement

that the captive cervid is from a qualified herd. Except as provided in paragraph (b)(3) of this section, the certificate must also state that the captive cervid has tested negative to an official tuberculosis test conducted within 90 days prior to the date of movement. If a group of captive cervids from a qualified herd is being moved interstate together to the same destination, all captive cervids in the group may be moved under one certificate.

(3) Captive cervids under 1 year of age that are natural additions to the qualified herd or that were born in and originate from a classified herd may move without testing, provided that the certificate accompanying them states that the captive cervids are natural additions to the qualified herd or were born in and originated from a classified herd and have not been exposed to captive cervids from an unclassified herd.

(c) *Herd additions allowed.* No captive cervid may be added to a qualified herd except in accordance with paragraph (c)(4) and either paragraph (c)(1), (c)(2), or (c)(3) of this section, as follows:

(1) The captive cervid to be added must be moved directly from an accredited herd;

(2) The captive cervid to be added must be moved directly from a qualified or monitored herd and must have tested negative to an official tuberculosis test conducted within 90 days prior to movement to the premises of the accredited herd;

(3) If the captive cervid to be added is not being moved directly from a classified herd, the captive cervid must be isolated from all other animals in its herd of origin and must test negative to two official tuberculosis tests prior to movement. The isolation must begin at the time of the first official tuberculosis test. The tests must be conducted at least 90 days apart, and the second test must be conducted within 90 days prior to movement to the premises of the qualified herd. The captive cervid must then be kept in insolation from all animals until it tests negative to an official tuberculosis test conducted at least 90 days following the date of arrival at the premises of the qualified herd. If a group of captive cervids is being moved together, the entire group must be isolated from all other livestock, but captive cervids in the group need not be isolated from each other, during the testing period. Such herd additions will not receive status as members of the qualified herd for purposes of interstate movement until they have tested negative to an official tuberculosis test and been released from isolation.

(4) A captive cervid to be added must not have been exposed during the 90 days prior to its movement to either:

(i) A captive cervid from a herd with a lower classification status than its own; or

(ii) Any tuberculous livestock.

(d) *Maintenance of qualified herd status.* To maintain status as a qualified herd, the herd must test negative to an official tuberculosis test within 9–15 months from the anniversary date of the first test with no evidence of tuberculosis disclosed (this is the qualifying test). Each time the herd is retested for qualified status, it must be tested 9–15 months from the anniversary date of the qualifying test, not from the last date of requalification (for example, if a herd is qualified on January 1 of a given year, the anniversary date will be January 1 of each consecutive year). Qualified herd status remains in effect for 12 months (365 days) following the anniversary date of the qualifying test. Qualified herd status will be suspended between the anniversary date and the requalifying test, if the herd is not tested within 12 months. During the suspension period, the herd will be considered ''unclassified'' and captive cervids may be moved interstate from the herd only in accordance with § 77.15.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.18 Interstate movement from monitored herds.

(a) *Qualifications.* To be recognized as a monitored herd:

(1) Identification records must be maintained by the person, firm, or corporation responsible for the management of the herd for as long as status as a monitored herd is desired. Such records must be maintained on all captive cervids in the herd that are

slaughtered, inspected, and found negative for tuberculosis at an approved slaughtering establishment or necropsied at an approved diagnostic laboratory. Identification records may also include captive cervids from the herd that tested negative for tuberculosis in accordance with requirements for interstate movement. No less than one half of the captive cervids on which records are kept must be slaughter inspected; and

(2) A sufficient number of captive cervids in the herd must be slaughter inspected or tested for interstate movement to ensure that tuberculosis infection at a prevalence level of 2 percent or more will be detected with a confidence level of 95 percent.[6] A maximum number of 178 captive cervids must be slaughter inspected or tested for interstate movement over a 3-year period to meet this requirement.

(b) *Movement allowed.* A captive cervid from a monitored herd may be moved interstate only if:

(1) The captive cervid is not known to be infected with or exposed to tuberculosis; and

(2) The captive cervid is accompanied by a certificate, as provided in §77.13(c), that includes a statement that the captive cervid is from a monitored herd. Except as provided in paragraph (b)(3) of this section, the certificate must also state that the captive cervid has tested negative to an official tuberculosis test conducted within 90 days prior to the date of movement. If a group of captive cervids from a monitored herd is being moved interstate together to the same destination, all captive cervids in the group may be moved under one certificate.

(3) Captive cervids under 1 year of age that are natural additions to the monitored herd or that were born in and originate from a classified herd may move without testing, provided that the certificate accompanying them states that the captive cervids are natural additions to the monitored herd or were born in and originated from a classified herd and have not been exposed to captive cervids from an unclassified herd.

(c) *Herd additions allowed.* No captive cervid may be added to a monitored herd except in accordance with paragraph (c)(4) and either paragraph (c)(1), (c)(2), or (c)(3) of this section, as follows:

(1) The captive cervid to be added must be moved directly from an accredited herd;

(2) The captive cervid to be added must be moved directly from a qualified or monitored herd and must have tested negative to an official tuberculosis test conducted within 90 days prior to movement to the premises of the monitored herd; or

(3) If the captive cervid to be added is not being moved directly from a classified herd, the captive cervid must be isolated from all other animals and must test negative to two official tuberculosis tests. The isolation must begin at the time of the first official tuberculosis test. The tests must be conducted at least 90 days apart, and the second test must be conducted within 90 days prior to movement to the premises of the monitored herd. The captive cervid must then be kept in isolation from all animals until it tests negative to an official tuberculosis test conducted at least 90 days following the date it arrives at the premises of the monitored herd. If a group of captive cervids is being moved together, the entire group must be isolated from all other animals, but captive cervids in the group need not be isolated from each other, during the testing period. Such herd additions will not receive status as members of the monitored herd for purposes of interstate movement until they have tested negative to an official tuberculosis test and been released from isolation.

(4) A captive cervid to be added must not have been exposed during the 90 days prior to its movement to either:

(i) A captive cervid from a herd with a lower classification status than its own; or

(ii) Any tuberculous livestock.

(d) *Maintenance of monitored herd status.* The person, firm, or corporation

[6] A chart showing the number of captive cervids that must be slaughter inspected or tested for interstate movement, depending on the size of a herd, to meet this requirement may be obtained from the National Animal Health Programs staff, Veterinary Services, APHIS, 4700 River Road Unit 43, Riverdale, MD 20737–1231.

responsible for the management of the herd must submit an annual report to cooperating State or Federal animal health officials prior to the anniversary date of classification to give the number of captive cervids currently in the herd and the number of captive cervids from the herd 1 year of age and older identified, slaughtered, and inspected at an approved slaughtering establishment or necropsied at an approved diagnostic laboratory during the preceding year and captive cervids that have tested negative for tuberculosis in accordance with interstate movement requirements. The number of slaughter inspections or negative testing captive cervids reported in any given year must be at least 25 percent of the total number required over a 3-year period to qualify a herd for monitored herd status. During each consecutive 3-year period, 100 percent of the qualifying total must be reported.

[63 FR 72122, Dec. 31, 1998. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.19 Interstate movement from unclassified herds.

(a) Except as provided in paragraph (b) of this section, a captive cervid that is not known to be infected with or exposed to tuberculosis and that is from a herd not classified as accredited, qualified, or monitored, may be moved interstate if the captive cervid is accompanied by a certificate that states that:

(1) The captive cervid has tested negative to two official tuberculosis tests conducted no less than 90 days apart;

(2) The second tuberculosis test was conducted within 90 days prior to the date of movement; and

(3) The captive cervid was isolated from all other animals during the testing period (the period beginning at the time of the first test and ending at the time of interstate movement). If a group of captive cervids is being moved together, the entire group must be isolated from all other animals, but captive cervids in the group need not be isolated from each other, during the testing period.

(b) The Administrator may, with the concurrence of the cooperating State animal health officials of the State of destination, and upon request in specific cases, permit the movement of captive cervids not otherwise provided for in this subpart which have not been classified as reactors and are not otherwise known to be affected with tuberculosis, under such conditions as the Administrator may prescribe in each specific case to prevent the spread of tuberculosis. The Administrator shall promptly notify the appropriate cooperating State animal health officials of the State of destination of any such action.

[63 FR 72122, Dec. 31, 1999. Redesignated at 64 FR 58779, Nov. 1, 1999]

§ 77.20 Other interstate movements.

(a) *Herds containing a suspect*—(1) *The suspect.* (i) A captive cervid classified as a suspect on the SCT test must be quarantined until it is slaughtered or retested by the CCT test or the BTB test and found negative for tuberculosis. Retesting must be as follows:

(A) The first CCT test must be administered within the first 10 days following the SCT test or, if not, must be administered at least 90 days after the SCT test. If the CCT test is administered within 10 days of the SCT test, the injection must be on the side of the neck opposite the injection for the SCT test.

(B) The sample for the first BTB test may not be taken until at least 12 days after the injection for the SCT test. It is recommended that the sample be taken within 30 days following the injection for the SCT test.

(ii) A captive cervid classified as a suspect on the first CCT test or the first BTB test must be quarantined until the following has occurred:

(A) A suspect on the first CCT test is tested with a second CCT test at least 90 days after the first CCT test and is found negative for tuberculosis; or

(B) A suspect on the first BTB test is tested with a second BTB test and is found negative for tuberculosis. It is recommended that the captive cervid be tested with the second BTB test within 60 days following the injection for the SCT test.

(2) *The remainder of the herd.* Any herd containing a suspect to an official tuberculosis test must be quarantined until the suspect is retested by the CCT test or the BTB test and found

negative for tuberculosis, or the suspect is inspected at slaughter or necropsied and found negative for tuberculosis after histopathology and culture of selected tissues. If the suspect is found negative for tuberculosis upon testing, or after slaughter inspection or necropsy and histopathology and culture of selected tissues, the herd may be released from quarantine and will return to the herd classification status in effect before the herd was quarantined. If the suspect is classified as a reactor upon testing, or after slaughter inspection or necropsy and histopathology and/or culture of selected tissues, the herd may be released from quarantine only in accordance with §77.20(b) for herds containing a reactor.

(b) *Herds containing a reactor.* The following requirements apply to herds containing a reactor, except for herds that have received captive cervids from an affected herd. Herds that have received captive cervids from an affected herd must be quarantined and tested in accordance with §77.20(e).

(1) *The reactor.* Captive cervids classified as reactors must be quarantined.

(2) *The remainder of the herd.* Any herd containing reactors must be quarantined until the reactors are slaughtered or necropsied in accordance with §77.21 and:

(i) If upon slaughter inspection or necropsy any reactors exhibit lesions compatible with or suggestive of tuberculosis, found by histopathology, without the isolation of *M. bovis,* the remainder of the herd may be released from quarantine in accordance with the provisions of §77.20(c).

(ii) If *M. bovis* is isolated from any reactors, the remainder of the herd will be considered an affected herd, and will be subject to the provisions for affected herds in §77.20(d).

(iii) If upon slaughter inspection or necropsy all reactors exhibit no gross lesions (NGL) of tuberculosis and no evidence of tuberculosis infection is found by histopathology and culture of *M. bovis* on specimens taken from the NGL animals, the remainder of the herd may be released from quarantine, and captive cervids from the herd may be moved interstate in accordance with the herd classification status in effect before the herd was quarantined if one of the following conditions is met:

(A) The remainder of the herd is given a whole herd test and is found negative for tuberculosis.

(B) The remainder of the herd is given a whole herd test, and all reactors to the whole herd test exhibit no gross lesions (NGL) of tuberculosis upon slaughter inspection or necropsy and no evidence of tuberculosis infection is found by histopathology or culture of *M. bovis* on specimens taken from the NGL animals.

(iv) If no evidence of tuberculosis is found in any reactor upon slaughter inspection or necropsy, but it is not possible to conduct a whole herd test on the remainder of the herd, the herd will be evaluated, based on criteria such as the testing history of the herd and the State history of tuberculosis infection, by the DTE to determine whether or not the herd may be released from quarantine.

(c) *Herds found to have only lesions of tuberculosis.* A herd in which captive cervids with lesions compatible with or suggestive of tuberculosis are found by histopathology without the isolation of *M. bovis* may be released from quarantine and return to the herd classification status in effect before the herd was quarantined, with the concurrence of the DTE, if the herd tests negative to tuberculosis on a whole herd test conducted 90 days following the removal of the lesioned captive cervid, provided the herd has not been exposed to *M. bovis* during the 90 days. To maintain its herd classification status, the herd must test negative to two annual whole herd tests beginning 10–12 months after the herd is released from quarantine. If any captive cervids in the herd respond to one of the tests, the herd will be subject to the provisions of §77.20(a) or (b). If the herd is not given the two annual whole herd tests, it will become an unclassified herd.

(d) *Affected herds.* A herd determined to be an affected herd must be quarantined until the herd has tested negative to three whole herd tests in succession, with the first test given 90 days or more after the last test yielding a reactor and the last two tests given at intervals of not less than 180

days. If the herd tests negative to the three whole herd tests, it will be released from quarantine, but will be considered an unclassified herd, and captive cervids may only be moved interstate from the herd in accordance with §77.19. In addition, the herd must be given five consecutive annual whole herd tests after release from quarantine. (These five tests will count towards qualifying the herd for herd classification.) As an alternative to testing, the herd may be depopulated.

(e) *Herds that have received captive cervids from an affected herd.* If a herd has received captive cervids from an affected herd, the captive cervids from the affected herd of origin will be considered exposed to tuberculosis. The exposed captive cervids and the receiving herd must be quarantined. The exposed captive cervids must be slaughtered, necropsied, or tested with the SCT test by a veterinarian employed by the State in which the test is administered or employed by USDA. The BTB test may be used simultaneously with the SCT test as an additional diagnostic test. Any exposed captive cervid that responds to the SCT test or tests ''*M. bovis* positive'' or ''equivocal'' on the BTB test must be classified as a reactor and must be slaughter inspected or necropsied. Any exposed captive cervid that tests negative to the SCT test or tests ''avian'' or ''negative'' on the BTB test will be considered as part of the affected herd of origin for purposes of testing, quarantine, and the five annual whole herd tests required for affected herds in §77.20(d).

(1) If bovine tuberculosis is confirmed in any of the exposed captive cervids by bacterial isolation of *M. bovis*, the receiving herd will be classified as an affected herd and will be subject to the provisions for affected herds in §77.20(d).

(2) If any of the exposed captive cervids are found to exhibit lesions compatible with or suggestive of tuberculosis, found by histopathology, without the isolation of *M. bovis*, the receiving herd will be subject to appropriate testing as determined by the DTE.

(3) If all the exposed captive cervids test negative for tuberculosis, the receiving herd will be released from quarantine if it is given a whole herd test and is found negative for tuberculosis, and will return to the herd classification in effect before the herd was quarantined. In addition, the receiving herd must be retested with the SCT test 1 year after release from quarantine in order for captive cervids from the herd to continue to be moved interstate. Supplemental diagnostic tests may be used if any captive cervids in the herd show a response to the SCT test.

(f) *Source herds.* A herd suspected of being the source of tuberculous captive cervids based on a slaughter traceback investigation must be quarantined upon notification (by the person conducting the investigation) to the USDA Area Veterinarian-in-Charge for the State in which the herd resides, and a herd test must be scheduled. If the herd is suspected of being the source of slaughter captive cervids having lesions of tuberculosis, the herd test must be done by a veterinarian employed by the State in which the test is administered or employed by USDA.

(1) If the herd is identified as the source of captive cervids having lesions of tuberculosis and *M. bovis* has been confirmed by bacterial isolation from the slaughter animal, all captive cervids in the herd that respond to the SCT test must be classified as reactors. If none respond to the SCT test, the herd may be released from quarantine and will return to the herd classification status in effect before the herd was quarantined, unless the DTE judges that additional testing is appropriate to ensure the herd's freedom from tuberculosis.

(2) If the herd is identified as the source of captive cervids that exhibit lesions compatible with or suggestive of tuberculosis, found by histopathology, without the isolation of *M. bovis*, all captive cervids in the herd that respond to the SCT test must be classified as suspects, and supplemental tests must be applied.

(3) If the herd is not identified as the source herd, the herd will be released from quarantine if the herd is given a whole herd test and is found negative for tuberculosis. The herd will then return to the herd classification status in effect before the herd was quarantined.

(g) *Newly assembled herds.* (1) A newly assembled herd will be classified as

having the herd status of the herd from which the captive cervids originated. If the herd is assembled from captive cervids from more than one herd, it will be classified as having the herd status of the originating herd with the lowest status. A newly assembled herd will also assume the testing schedule of the herd status it is given. Captive cervids in the herd must have no exposure to captive cervids from a herd of lesser status than the herd of origin determining the status of the newly assembled herd or to any tuberculous livestock.

(2) A herd newly assembled on premises where a tuberculous herd has been depopulated must be given two consecutive annual whole herd tests. The first test must be administered at least 6 months after the assembly of the new herd. If the whole herd tests are not conducted within the indicated time frame, the herd will be quarantined. If the herd tests negative to the two whole herd tests, there are no further requirements. If any captive cervid in the herd responds on one of the whole herd tests, the herd will be subject to the provisions of §77.20(a) or (b). If the premises has been vacant for more than 1 year preceding the assembly of the new herd on the premises, these requirements may be waived if the risk of tuberculosis transmission to the newly assembled herd is deemed negligible by cooperating State and Federal animal health officials.

[63 FR 72122, Dec. 31, 1999. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§77.21 Procedures for and interstate movement to necropsy and slaughter.

(a) *Procedures for necropsy and slaughter.* (1) A necropsy must be performed by or under the supervision of a veterinarian who is employed by USDA or employed by the State in which the captive cervid was classified, and who is trained in tuberculosis necropsy procedures.

(2) If, upon necropsy, a captive cervid is found without evidence of *M. bovis* infection by histopathology and culture, the captive cervid will be considered negative for tuberculosis.

(3) Reactors, suspects, and exposed captive cervids may be slaughtered only at an approved slaughtering establishment, as defined in §77.12.

(b) *Interstate movement to necropsy or slaughter*—(1) *Permit.* Any reactor, suspect, or exposed captive cervid to be moved interstate to necropsy or slaughter must be accompanied by a permit issued by a representative of APHIS, a State representative, or an accredited veterinarian. The captive cervid must remain on the premises where it was identified as a reactor, suspect, or exposed captive cervid until a permit for its movement is obtained. No stopover or diversion from the destination listed on the permit is allowed. If a change in destination becomes necessary, a new permit must be obtained from a cooperating State or Federal animal health official or an accredited veterinarian before the interstate movement begins. The permit must list:

(i) The classification of the captive cervid (reactor, suspect, or exposed);

(ii) The reactor eartag number, or, for suspects and exposed captive cervids, the official eartag or other approved identification number;

(iii) The owner's name and address;

(iv) The origin and destination of the captive cervids;

(v) The number of captive cervids covered by the permit; and

(vi) The purpose of the movement.

(2) *Identification of reactors.* Reactors must be tagged with an official eartag attached to the left ear and bearing a serial number and the inscription ''U.S. Reactor,'' and either:

(i) Branded with the letter ''T'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size; or

(ii) Permanently identified by the letters ''TB'' tattooed legibly in the left ear, sprayed on the left ear with yellow paint, and either accompanied directly to necropsy or slaughter by an APHIS or State representative or moved directly to necropsy or slaughter in a vehicle closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(3) *Identification of exposed captive cervids.* Exposed captive cervids must be identified by an official eartag or other approved identification and either:

(i) Branded with the letter ''S'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size; or

(ii) Either accompanied directly to necropsy or slaughter by an APHIS or State representative, or moved directly to necropsy or slaughter in a vehicle closed with official seals. Such official seals must be applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

[63 FR 72122, Dec. 31, 1999. Redesignated and amended at 64 FR 58779, 58780, Nov. 1, 1999]

§ 77.22 Cleaning and disinfection of premises, conveyances, and materials.

All conveyances and associated equipment, premises, and structures that are used for receiving, holding, shipping, loading, unloading, and delivering captive cervids in connection with their interstate movement and that are determined by cooperating State and Federal animal health officials to be contaminated because of occupation or use by tuberculous or reactor livestock must be cleaned and disinfected under the supervision of the cooperating State or Federal animal health officials. Such cleaning and disinfecting must be done in accordance with the procedures approved by the cooperating State or Federal animal health officials. Cleaning and disinfection must be completed before the premises, conveyances, or materials may again be used to convey, hold, or in any way come in contact with any livestock.

[63 FR 72122, Dec. 31, 1999. Redesignated at 64 FR 58779, Nov. 1, 1999]

PART 78—BRUCELLOSIS

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Subpart A—General Provisions

§ 78.1 Definitions.

The following terms are defined in this section:

Accredited veterinarian
Administrator
Animals
Animal and Plant Health Inspection Service
APHIS representative
Approved brucella vaccine
Approved individual herd plan
Approved intermediate handling facility
Area
''B'' branded
Boar
Brucellosis
Brucellosis exposed
Brucellosis negative
Brucellosis reactor
Brucellosis ring test
Brucellosis suspect
Certificate
Certified brucellosis-free herd
Class A State or area
Class B State or area
Class C State or area
Class Free State or area
Complete herd test (CHT)
Confirmatory test
Dairy cattle
Designated epidemiologist
Directly
Epidemiologist
Epidemiology
Farm of origin
Feral swine
Finished fed cattle
Herd
Herd blood test
Herd known to be affected
Herd not known to be affected
Herd of origin of swine
Interstate
Market cattle identification test cattle
Market swine test (MST) reactor
Market swine test swine
Monitored-negative feral swine population
Moved
Moved (movement) in interstate commerce
Official adult vaccinate
Official brand inspection certificate
Official brand recording agency
Official calfhood vaccinate
Official eartag
Official seal
Official swine tattoo
Official test
Official vaccinate
Official vaccination eartag
Originate
Parturient
Permit
Permit for entry
Person
Postparturient
Purebred registry association
Qualified herd
Quarantined area
Quarantined feedlot
Quarantined pasture
Recognized slaughtering establishment
''S'' branded
''S'' brand permit
Sow
Specifically approved stockyard
State
State animal health official
State representative
Successfully closed case
Swine brucellosis
Test-eligible cattle and bison
United States Department of Agriculture backtag
Validated brucellosis-free herd
Validated brucellosis-free State
Veterinarian in Charge
Whole herd vaccination

As used in this part, the following terms shall have the meanings set forth in this section.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animals. Cattle, bison, and swine.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Approved brucella vaccine. A *Brucella* product approved by and produced under license of the United States Department of Agriculture for injection into cattle or bison to enhance their resistance to brucellosis.

Approved individual herd plan. A herd management and testing plan designed by the herd owner, the owner's veterinarian if so requested, and a State representative or APHIS representative to determine the disease status of animals

in the herd and to control and eradicate brucellosis within the herd. The plan must be jointly approved by the State animal health official and the Veterinarian in Charge.

Approved intermediate handling facility. Premises approved by the Administrator and the State animal health official for receiving and handling cattle and bison for release only to recognized slaughtering establishments and quarantined feedlots. Cattle and bison may be held at an approved intermediate handling facility for a maximum of 7 days and may not change ownership during this time. No cattle or bison, except cattle or bison moved directly from a farm of origin, shall be permitted to enter an approved intermediate handling facility unless they are accompanied by a permit or ''S'' brand permit. Cattle or bison transported in vehicles closed with official seals are prohibited from entering the approved intermediate handling facility. No cattle or bison shall be permitted to leave an approved intermediate handling facility unless they are accompanied by a permit or ''S'' brand permit which lists a recognized slaughtering establishment or a quarantined feedlot as the point of destination. To qualify for and retain approval, the following conditions must be met: (a) The facility must be separate and apart from other livestock handling facilities for breeding cattle and breeding bison; (b) Serviceable equipment for cleaning and disinfection shall be furnished and maintained with adequate disinfectant on hand; (c) The facility must be cleaned and disinfected in accordance with §71.4(a) of this chapter; (d) Any document relating to cattle or bison which are or have been in the facility shall be maintained by the facility for a period of 1 year; (e) State representatives and APHIS representatives shall be granted, at reasonable hours, access to all documents required to be maintained by the facility and authority to reproduce the documents; and (f) Each entrance and exit to the facility must prominently display a sign bearing the following words: ''All cattle and bison entering this facility must go directly to slaughter or a quarantined feedlot''. The Administrator may withdraw or deny approval of any intermediate handling facility in accordance with §71.20 of this chapter.

Area. That portion of any State which has a separate brucellosis classification under this part.

''B'' branded. Branding with a hot iron the letter ''B'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size.

Boar. An uncastrated male swine 6 months of age or over which is or has been capable of being used for breeding purposes.

Brucellosis. The contagious, infectious, and communicable disease caused by bacteria of the genus *Brucella.* It is also known as Bangs disease, undulant fever, and contagious abortion.

Brucellosis exposed. Except for brucellosis reactors, animals that are part of a herd known to be affected, or are in a quarantined feedlot or a quarantined pasture, or are brucellosis suspects, or that have been in contact with a brucellosis reactor for a period of 24 hours or more, or for a period of less than 24 hours if the brucellosis reactor has aborted, calved, or farrowed within the past 30 days or has a vaginal or uterine discharge.

Brucellosis negative. An animal subjected to one or more official tests resulting in a brucellosis negative classification or reclassified as brucellosis negative by a designated epidemiologist as provided for in the definition of official test.

Brucellosis reactor. An animal subjected to an official test resulting in a brucellosis reactor classification or subjected to a bacteriological examination for field strain *Brucella abortus* and found positive or reclassified as a brucellosis reactor by a designated epidemiologist as provided for in the definition of official test.

Brucellosis ring test. The brucellosis ring test is conducted on composite milk or cream samples from dairy herds and is interpreted as either negative or suspicious (positive). Herds which are negative to the brucellosis ring test and which are not quarantined as brucellosis affected are classified as brucellosis negative for public

health ordinances and surveillance purposes. Herds classified as suspicious require a herd blood test to determine animal and herd status.

Brucellosis suspect. An animal subjected to an official test resulting in a brucellosis suspect classification or reclassified as a brucellosis suspect by a designated epidemiologist as provided for in the definition of official test.

Certificate. An official document issued by an APHIS representative, state representative, or accredited veterinarian at the point of origin of an interstate movement of animals.

(a) The certificate must show the official eartag number, individual animal register breed association registration tattoo, individual animal registered breed association registration brand, individual animal registered breed association registration number, or similar individual identification of each animal to be moved; the number of animals covered by the certificate; the purpose for which the animals are to be moved; the points of origin and destination; the consignor; and the consignee. Ownership brands may be used in place of individual animal identification on certificates for cattle moved interstate when no official test for brucellosis is required under this part, provided the ownership brands are registered with the official brand recording agency. Except as provided in paragraphs (b) and (c) of this definition, all of the information required by this paragraph must be typed or written on the certificate.

(b) As an alternative to typing or writing individual animal identification on a certificate, another document may be used to provide this information, but only under the following conditions:

(1) The document must be a state form or APHIS form that requires individual identification of animals;

(2) A legible copy of the document must be stapled to the original and each copy of the certificate;

(3) Each copy of the document must identify each animal to be moved with the certificate, but any information pertaining to other animals, and any unused space on the document for recording animal identification, must be crossed out in ink; and

(4) The following information must be written in ink in the identification column on the original and each copy of the certificate and must be circled or boxed, also in ink, so that no additional information can be added:

(i) The name of the document; and

(ii) Either the serial number on the document or, if the document is not imprinted with a serial number, both the name of the person who prepared the document and the date the document was signed.

(c) As an alternative to typing or writing ownership brands on a certificate, an official brand inspection certificate may be used to provide this information, but only under the following conditions:

(1) A legible copy of the official brand inspection certificate must be stabled to the original and each copy of the certificate;

(2) Each copy of the official brand inspection certificate must show the ownership brand of each animal to be moved with the certificate, but any other ownership brands, and any unused space for recording ownership brands, must be crossed out in ink;

(3) The following information must be written in ink in the identification column on the original and each copy of the certificate and must be circled or boxed, also in ink, so that no additional information can be added:

(i) The name of the attached document; and

(ii) Either the serial number on the official brand inspection certificate or, if the official brand inspection certificate is not imprinted with a serial number, both the name of the person who prepared the official brand inspection certificate and the date it was signed.

Certified brucellosis-free herd. A herd of cattle or bison which has qualified for and whose owner has been issued a certified brucellosis-free herd certificate signed by the appropriate State animal health official and the Veterinarian in Charge.

(a) *Certification.* Either of the following two methods may be used to qualify a herd:

(1) In the case of dairy cattle, by conducting a minimum of four consecutive negative brucellosis ring tests at not

less than 90-day intervals, followed by a negative herd blood test within 90 days after the last negative brucellosis ring test; or

(2) By conducting at least two consecutive negative herd blood tests not less than 10 months nor more than 14 months apart.

(b) *Maintaining certification.* Certified brucellosis-free herd status will remain in effect for 1 year beginning with the date of issuance of the certified brucellosis-free herd certificate. A negative herd blood test must be conducted within 10 to 12 months of the last certification date for continuous status. Lapsed certification may be reinstated if a herd blood test is conducted within 14 months of the last certification date. A new recertification test date may be established if requested by the owner and if the herd is negative to a herd blood test on that date, provided that date is within 1 year of the previous certification date. A herd which loses certified brucellosis-free herd status because a brucellosis reactor is found in the herd may be recertified only by repeating the certification process, except that certified brucellosis-free herd status may be reinstated without repeating the certification process if epidemiological studies and bacteriological cultures conducted by an APHIS representative or State representative show that the herd was not affected with field strain *Brucella abortus.*

Class A State or area. A State or area which meets standards for classification as a Class A State or area and is certified as such on initial classification or on reclassification by the State animal health official, the Veterinarian in Charge, and the Administrator. Any reclassification will be made in accordance with §78.40 of this part. The following are the standards to attain and maintain Class A status.

(a) *Surveillance.* (1) *Brucellosis ring test.* The brucellosis ring test shall be conducted in the State or area at least four times per year at approximately 90-day intervals. All herds producing milk for sale shall be included in at least three of the four brucellosis ring tests per year.

(2) *Market Cattle Identification (MCI) program.* (i) *Coverage.* All recognized slaughtering establishments in the State or area must participate in the MCI program. Blood samples shall be collected from at least 95 percent of all cows and bulls 2 years of age or over at each recognized slaughtering establishment and subjected to an official test;

(ii) *Brucellosis reactors.*

(A) *Tracebacks.* At least 90 percent of all brucellosis reactors found in the course of MCI testing must be traced to the farm of origin.

(B) *Successfully closed cases.* The State or area must successfully close at least 95 percent of the MCI reactor cases traced to the farm of origin during the 12-consecutive-month period immediately prior to the most recent anniversary of the date the State or area was classified Class A. To successfully close an MCI reactor case, State representatives or APHIS representatives must conduct an epidemiologic investigation at the farm of origin within 15 days after notification by the cooperative State-Federal laboratory that brucellosis reactors were found on the MCI test. Herd blood tests must be conducted or the herd must be confined to the premises under quarantine within 30 days after notification that brucellosis reactors were found on the MCI test, unless a designated epidemiologist determines that:

(*1*) The brucellosis reactor is located in a herd in a different State than the State where the MCI blood sample was collected. In such cases a State representative or APHIS representative must give written notice of the MCI test results to the State animal health official in the State where the brucellosis reactor is located; or

(*2*) Evidence indicates that the brucellosis reactor is from a herd that no longer presents a risk of spreading brucellosis, or is from a herd that is unlikely to be infected with brucellosis. Such evidence could include, but is not limited to, situations where:

(*i*) The brucellosis reactor is traced back to a herd that has been sold for slaughter in entirety;

(*ii*) The brucellosis reactor is traced back to a herd that is certified brucellosis free and is 100-percent vaccinated; or

(*iii*) The brucellosis reactor showed a low titer in the MCI test and is traced

back to a dairy herd that is 100 percent vaccinated and has tested negative to the most recent brucellosis ring test required by this section for herds producing milk for sale.

(3) *Epidemiologic surveillance*—(i) *Adjacent herds.* All adjacent herds or other herds having contact with cattle in a herd known to be affected shall have an approved individual herd plan in effect within 15 days of notification of brucellosis in the herd known to be affected; (ii) Epidemiologically traced herds. All herds from which cattle are moved into a herd known to be affected and all herds which have received cattle from a herd known to be affected shall have an approved individual herd plan in effect within 15 days of locating the source herd or recipient herd. (iii) Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

(b) *Herd infection rate*—(1) *Percentage of herds affected.* States or areas must not exceed a cattle herd infection rate, based on the number of herds found to have brucellosis reactors within the State or area during any 12 consecutive months due to field strain *Brucella abortus,* of 0.25 percent or 2.5 herds per 1,000, except in States with 10,000 or fewer herds. A special review by the Administrator will be made to determine if such small herd population States would qualify for Class A status. Locations of herds, sources of brucellosis, and brucellosis control measures taken by the State will be considered.

(2) *Epidemiologic investigation.* Within 15 days after notification by the cooperative State-Federal laboratory that brucellosis reactors have been found in any herd, State representatives or APHIS representatives shall investigate that herd to identify possible sources of brucellosis. All possible sources of brucellosis identified shall be contacted within an additional 15 days to determine appropriate action.

(3) All herds known to be affected shall have approved individual herd plans in effect within 15 days after notification by a State representative or APHIS representative of a brucellosis reactor in the herd. Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

Class B State or area. A State or area which meets standards for classification as a Class B State or area and is certified as such on initial classification or on reclassification by the State animal health official, the Veterinarian in Charge, and the Administrator. Any reclassification will be made in accordance with §78.40 of this part. The following are the standards to attain and maintain Class B status.

(a) *Surveillance*—(1) *Brucellosis ring test.* The brucellosis ring test shall be conducted in the State or area at least four times per year at approximately 90-day intervals. All herds producing milk for sale shall be included in at least three of the four brucellosis ring tests per year.

(2) *Market Cattle Identification (MCI) program.* (i) *Coverage.* All recognized slaughtering establishments in the State or area must participate in the MCI program. Blood samples shall be collected from at least 95 percent of all cows and bulls 2 years of age or over at each recognized slaughtering establishment and subjected to an official test;

(ii) *Brucellosis reactors.*

(A) *Tracebacks.* At least 80 percent of all brucellosis reactors found in the course of MCI testing must be traced to the farm of origin.

(B) *Successfully closed cases.* The State or area must successfully close at least 90 percent of the MCI reactor cases traced to the farm of origin during the 12-consecutive-month period immediately prior to the most recent anniversary of the date the State or area was classified Class B. To successfully close an MCI reactor case, State representatives or APHIS representatives must conduct an epidemiologic investigation at the farm of origin within 30 days after notification by the cooperative State-Federal laboratory that brucellosis reactors were found on the MCI test. Herd blood tests must be conducted or the herd must be confined to the premises under quarantine within 30 days after notification that brucellosis reactors were found on the MCI test, unless a designated epidemiologist determines that:

(*1*) The brucellosis reactor is located in a herd in a different State than the

State where the MCI blood sample was collected. In such cases a State representative or APHIS representative must give written notice of the MCI test results to the State animal health official in the State where the brucellosis reactor is located; or

(*2*) Evidence indicates that the brucellosis reactor is from a herd that no longer presents a risk of spreading brucellosis, or is from a herd that is unlikely to be infected with brucellosis. Such evidence could include, but is not limited to, situations where:

(*i*) The brucellosis reactor is traced back to a herd that has been sold for slaughter in entirety;

(*ii*) The brucellosis reactor is traced back to a herd that is certified brucellosis free and is 100-percent vaccinated; or

(*iii*) The brucellosis reactor showed a low titer in the MCI test and is traced back to a dairy herd that is 100 percent vaccinated and has tested negative to the most recent brucellosis ring test required by this section for herds producing milk for sale.

(3) *Epidemiologic surveillance.* (i) *Adjacent herds.* All adjacent herds or other herds having contact with cattle in a herd known to be affected shall have an approved individual herd plan in effect within 45 days of notification of brucellosis in the herd known to be affected; (ii) Epidemiologically traced herds. All herds from which cattle are moved into a herd known to be affected and all herds which have received cattle from a herd known to be affected shall have an approved individual herd plan in effect within 45 days of locating the source herd or recipient herd. (iii) Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

(b) *Herd infection rate.* (1) *Percentage of herds affected.* States or areas must not exceed a cattle herd infection rate, based on the number of herds found to have brucellosis reactors within the State or area during any 12 consecutive months due to field strain *Brucella abortus,* of 1.5 percent or 15 herds per 1,000, except in States with 1,000 or fewer herds. A special review by the Administrator will be made to determine if such small herd population States would qualify for Class B status. Locations of herds, sources of brucellosis, and brucellosis control measures taken by the State will be considered.

(2) *Epidemiologic investigation.* Within 45 days after notification by the cooperative State-Federal laboratory that brucellosis reactors have been found in any herd, State representatives or APHIS representatives shall investigate that herd to identify possible sources of brucellosis. All possible sources of brucellosis identified shall be contacted within an additional 30 days to determine appropriate action.

(3) All herds known to be affected shall have approved individual herd plans in effect within 45 days after notification by a State representative or APHIS representative of a brucellosis reactor in the herd. Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

Class C State or area. A State or area which meets standards for classification as a Class C State or area and is certified as such on initial classification or on reclassification by the State animal health official, the Veterinarian in Charge, and the Administrator. Any reclassification will be made in accordance with §78.40 of this part. The following are the standards to attain and maintain Class C status.

(a) *Surveillance*—(1) *Brucellosis ring test.* The brucellosis ring test shall be conducted in the State or area at least four times per year at approximately 90-day intervals. All herds producing milk for sale shall be included in at least three of the four brucellosis ring tests per year.

(2) *Market Cattle Identification (MCI) program.* (i) *Coverage.* All recognized slaughtering establishments in the State or area must participate in the MCI program. Blood samples shall be collected from at least 95 percent of all cows and bulls 2 years of age or over at each recognized slaughtering establishment and subjected to an official test;

(ii) *Brucellosis reactors.*

(A) *Tracebacks.* At least 80 percent of all brucellosis reactors found in the course of MCI testing must be traced to the farm of origin.

(B) *Successfully closed cases.* The State or area must successfully close at least 90 percent of the MCI reactor cases traced to the farm of origin during the 12-consecutive-month period immediately prior to the most recent anniversary of the date the State or area was classified Class C. To successfully close an MCI reactor case, State representatives or APHIS representatives must conduct an epidemiologic investigation at the farm of origin within 30 days after notification by the cooperative State-Federal laboratory that brucellosis reactors were found on the MCI test. Herd blood tests must be conducted or the herd must be confined to the premises under quarantine within 30 days after notification that brucellosis reactors were found on the MCI test, unless a designated epidemiologist determines that:

(*1*) The brucellosis reactor is located in a herd in a different State than the State where the MCI blood sample was collected. In such cases a State representative or APHIS representative must give written notice of the MCI test results to the State animal health official in the State where the brucellosis reactor is located; or

(*2*) Evidence indicates that the brucellosis reactor is from a herd that no longer presents a risk of spreading brucellosis, or is from a herd that is unlikely to be infected with brucellosis. Such evidence could include, but is not limited to, situations where:

(*i*) The brucellosis reactor is traced back to a herd that has been sold for slaughter in entirety;

(*ii*) The brucellosis reactor is traced back to a herd that is certified brucellosis free and is 100-percent vaccinated; or

(*iii*) The brucellosis reactor showed a low titer in the MCI test and is traced back to a dairy herd that is 100 percent vaccinated and has tested negative to the most recent brucellosis ring test required by this section for herds producing milk for sale.

(3) *Epidemiologic surveillance.* (i) *Adjacent herds.* All adjacent herds or other herds having contact with cattle in a herd known to be affected shall have an approved individual herd plan in effect within 45 days of notification of brucellosis in the herd known to be affected; (ii) Epidemiologically traced herds. All herds from which cattle are moved into a herd known to be affected and all herds which have received cattle from a herd known to be affected shall have an approved individual herd plan in effect within 45 days of locating the source herd or recipient herd. (iii) Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

(b) *Herd infection rate.* (1) *Percentage of herds affected.* States or areas exceed a cattle herd infection rate, based on the number of herds found to have brucellosis reactors within the State or area during any 12 consecutive months due to field strain *Brucella abortus*, of 1.5 percent or 15 herds per 1,000, except in States with 1,000 or fewer herds. A special review by the Administrator will be made to determine if such small herd population States should be classified as a Class C State. Locations of herds, sources of brucellosis, and brucellosis control measures taken by the State will be considered.

(2) *Epidemiologic investigation*. Within 45 days after notification by the cooperative State-Federal laboratory that brucellosis reactors have been found in any herd, State representatives or APHIS representatives shall investigate that herd to identify possible sources of brucellosis. All possible sources of brucellosis identified shall be contacted within an additional 30 days to determine appropriate action.

(3) All herds known to be affected shall have approved individual herd plans in effect within 45 days after notification by a State representative or APHIS representative of a brucellosis reactor in the herd. Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

(c) Compliance with minimum procedural standards.

(1) A State must implement and maintain minimum procedural standards.

(2) A State or area must make continued progress over a 2-year period in reducing the prevalence of brucellosis

as determined by epidemiologic evaluation or it will be placed under Federal quarantine.

Class Free State or area. A State or area which meets standards for classification as a Class Free State or area and is certified as such on initial classification or on reclassification by the State animal health official, the Veterinarian in Charge, and the Administrator. Any reclassification will be made in accordance with §78.40 of this part. All cattle herds in the State or area in which brucellosis has been known to exist must be released from any State or Federal brucellosis quarantine prior to classification. In addition, if any herds of other species of domestic livestock have been found to be affected with brucellosis, they must be subjected to an official test and found negative, slaughtered, or quarantined so that no known foci of brucellosis in any species of domestic livestock are left uncontrolled. The following are the standards to attain and maintain Class Free status.

(a) *Surveillance.* (1) *Brucellosis ring test.* The State or area shall conduct as many brucellosis ring tests per year as are necessary to ensure that all herds producing milk for sale are tested at least twice per year at approximately 6-month intervals.

(2) *Market Cattle Identification (MCI) program.* (i) *Coverage.* All recognized slaughtering establishments in the State or area must participate in the MCI program. Blood samples shall be collected from at least 95 percent of all cows and bulls 2 years of age or over at each recognized slaughtering establishment and subjected to an official test;

(ii) *Brucellosis reactors.*

(A) *Tracebacks.* At least 90 percent of all brucellosis reactors found in the course of MCI testing must be traced to the farm of origin.

(B) *Successfully closed cases.* The State or area must successfully close at least 95 percent of the MCI reactor cases traced to the farm of origin during the 12-consecutive-month period immediately prior to the most recent anniversary of the date the State or area was classified Class Free. To successfully close an MCI reactor case, State representatives or APHIS representatives must conduct an epidemiologic investigation at the farm of origin within 15 days after notification by the cooperative State-Federal laboratory that brucellosis reactors were found on the MCI test. Herd blood tests must be conducted or the herd must be confined to the premises under quarantine within 30 days after notification that brucellosis reactors were found on the MCI test, unless a designated epidemiologist determines that:

(*1*) The brucellosis reactor is located in a herd in a different State than the State where the MCI blood sample was collected. In such cases a State representative or APHIS representative must give written notice of the MCI test results to the State animal health official in the State where the brucellosis reactor is located; or

(*2*) Evidence indicates that the brucellosis reactor is from a herd that no longer presents a risk of spreading brucellosis, or is from a herd that is unlikely to be infected with brucellosis. Such evidence could include, but is not limited to, situations where:

(*i*) The brucellosis reactor is traced back to a herd that has been sold for slaughter in entirety;

(*ii*) The brucellosis reactor is traced back to a herd that is certified brucellosis free and is 100-percent vaccinated; or

(*iii*) The brucellosis reactor showed a low titer in the MCI test and is traced back to a dairy herd that is 100 percent vaccinated and has tested negative to the most recent brucellosis ring test required by this section for herds producing milk for sale.

(3) *Epidemiologic surveillance.* (i) *Adjacent herds.* All adjacent herds or other herds having contact with cattle in a herd known to be affected shall be placed under quarantine and have an approved individual herd plan in effect within 15 days after notification of brucellosis in the herd known to be affected; (ii) Epidemiologically traced herds. All herds from which cattle are moved into a herd known to be affected and all herds which have received cattle from a herd known to be affected shall be placed under quarantine and have an approved individual herd plan in effect within 15 days of locating the source herd or recipient herd. (iii) Each State shall ensure that such approved

individual herd plans are effectively complied with, as determined by the Administrator.

(b) *Herd infection rate.* (1) *Percentage of herds affected.* All cattle herds in the State or area must remain free of field strain *Brucella abortus* for 12 consecutive months. States or areas must have a cattle herd infection rate, based on the number of herds found to have brucellosis reactors within the State or area during any 12 consecutive months due to field strain *Brucella abortus* of 0.0 percent or 0 herds per 1,000.

(2) *Epidemiologic investigation.* Within 15 days after notification by the cooperative State-Federal laboratory that brucellosis reactors have been found in any herd, State representatives or APHIS representatives shall investigate that herd to identify possible sources of brucellosis. All possible sources of brucellosis identified shall be contacted within an additional 15 days to determine appropriate action.

(3) All herds known to be affected shall have approved individual herd plans in effect within 15 days after notification by a State representative or APHIS representative of a brucellosis reactor in the herd. Each State shall ensure that such approved individual herd plans are effectively complied with, as determined by the Administrator.

(4) *Retaining Class Free status.* (i) If a single herd in a Class Free State is found to be affected with brucellosis, the State may retain its Class Free status if it meets the conditions of this paragraph. A State may retain its status in this manner only once during any 2-year period. The following conditions must be satisfied within 60 days of the date an animal in the herd is determined to be infected:

(A) The affected herd must be immediately quarantined, tested for brucellosis, and depopulated; and

(B) An epidemiological investigation must be performed and the investigation must confirm that brucellosis has not spread from the affected herd. All herds on premises adjacent to the affected herd (adjacent herds), all herds from which animals may have been brought into the affected herd (source herds), and all herds that may have had contact with or accepted animals from the affected herd (contact herds) must be epidemiologically investigated, and each of those herds must be placed under an approved individual herd plan. If the investigating epidemiologist determines that a herd blood test for a particular adjacent herd, source herd, or contact herd is not warranted, the epidemiologist must include that determination, and the reasons supporting it, in the individual herd plan.

(ii) After the close of the 60-day period following the date an animal in the herd is determined to be infected, APHIS will conduct a review to confirm that the requirements of paragraph (b)(4)(i) have been satisfied and that the State is in compliance with all other applicable provisions.

Complete herd test (CHT). An official swine brucellosis test of all swine on a premises that are 6 months of age or older and maintained for breeding purposes.

Confirmatory test. A follow-up test to verify any official test results. Confirmatory tests include the standard tube test, the Rivanol test, the complement fixation test (CF), the particle concentration fluorescence immunoassay (PCFIA), the semen plasma test, and the standard plate test.

Dairy cattle. A bovine animal of a recognized dairy breed.

Designated epidemiologist. An epidemiologist selected by the State animal health official and the Veterinarian in Charge to perform the functions required. The regional epidemiologist and the APHIS brucellosis staff must concur in the selection and appointment of the designated epidemiologist.

Directly. Without unloading en route if moved in a means of conveyance, or without stopping if moved in any other manner.

Epidemiologist. A veterinarian who has received a master's degree in epidemiology or completed a course of study in epidemiology sponsored by the Animal and Plant Health Inspection Service, United States Department of Agriculture.

Epidemiology. A branch of medical science that deals with the incidence, distribution, and control of disease in the animal population.

Farm of origin. (a) Premises where cattle or bison are born and remain prior to movement from the premises but which are not used to assemble cattle or bison from any other premises for 4 months before such movement; or (b) premises where cattle or bison remain for not less than 4 months immediately before movement from the premises but which are not used to assemble cattle or bison from any other premises for 4 months before such movement.

Feral swine. Free-roaming swine. Formerly free-roaming swine could qualify for reclassification as domestic swine upon testing negative to an official swine brucellosis test after a period of at least 60 days' confinement in isolation from other feral swine.

Finished fed cattle. Cattle fattened on a ration of feed concentrates to reach a slaughter condition equivalent to that which would be attained on full feed with a high concentrate grain ration for 90 days.

Herd. (a) All animals under common ownership or supervision that are grouped on one or more parts of any single premises (lot, farm or ranch); or (b) All animals under common ownership or supervision on two or more premises which are geographically separated but on which animals from the different premises have been interchanged or had contact with each other.

Herd blood test. (a) Cattle and bison. A blood test for brucellosis conducted in a herd on all cattle or bison which are (1) 6 months of age or over and not official vaccinates, except steers and spayed heifers; (2) Official calfhood vaccinates of any age which are parturient or postparturient; (3) Official calfhood vaccinates of beef breeds or bison with the first pair of permanent incisors fully erupted (2 years of age or over); and (4) Official calfhood vaccinates of dairy breeds with partial eruption of the first pair of permanent incisors (20 months of age or over).

(b) [Reserved]

Herd known to be affected. Any herd in which any animal has been classified as a brucellosis reactor and which has not been released from quarantine.

Herd not known to be affected. Any herd in which no animal has been classified as a brucellosis reactor or any herd in which one or more animals have been classified as brucellosis reactors but which has been released from quarantine.

Herd of origin of swine. Any herd in which swine are farrowed and remain until movement or any herd in which swine remain for 30 days immediately prior to movement.

Interstate. From any State into or through any other State.

Market cattle identification test cattle. Cows and bulls 2 years of age or over which have been moved to recognized slaughtering establishments, and test-eligible cattle which are subjected to an official test for the purposes of movement at farms, ranches, auction markets, stockyards, quarantined feedlots, or other assembly points. Such cattle shall be identified by an official eartag and/or United States Department of Agriculture backtag prior to or at the first market, stockyard, quarantined feedlot, or slaughtering establishment they reach.

Market swine test (MST) reactor. Market swine test swine with a positive reaction to a swine brucellosis confirmatory test or other official test, if no confirmatory test is performed.

Market swine test swine. Sows and boars which have been moved to slaughtering establishments and sows and boars which are subjected to an official test for the purposes of movement at farms, ranches, auction markets, stockyards, or other assembly points.

Monitored-negative feral swine population. Feral swine indicating no evidence of infection (indicators would include positive blood tests or clinical signs, such as abortion) and originating from a specified, geographically isolated area (a forest area, hunting preserve, or swamp, for example) may be classified by the designated epidemiologist as a monitored-negative feral swine population.

Moved. Shipped, transported, delivered, or received for movement, or otherwise aided, induced, or caused to be moved.

Moved (movement) in interstate commerce. Moved from the point of origin of the interstate movement to the animals' final destination, such as a

slaughtering establishment or a farm for breeding or raising, and including any temporary stops for any purpose along the way, such as at a stockyard or dealer premises for feed, water, rest, or sale.

Official adult vaccinate. (a) Female cattle or female bison older than the specified ages defined for official calfhood vaccinate and vaccinated by an APHIS representative, State representative, or accredited veterinarian with a reduced dose approved brucella vaccine, diluted so as to contain at least 300 million and not more than 1 billion live cells per 2 mL dose of *Brucella abortus* Strain 19 vaccine or at the dosage indicated on the label instructions for other approved brucella vaccines, as part of a whole herd vaccination plan authorized jointly by the State animal health official and the Veterinarian in Charge; and

(b)(1) Permanently identified by a ''V'' hot brand high on the hip near the tailhead at least 5 by 5 centimeters (2 by 2 inches) in size, or by an official AV (adult vaccination) tattoo in the right ear preceded by the quarter of the year and followed by the last digit of the year; and (2) Identified with an official eartag or individual animal registered breed association registration brand or individual animal registered breed association tattoo.

Official brand inspection certificate. A document issued by an official brand inspection agency in any State which requires such documents for movement of cattle.

Official brand recording agency. The duly constituted body authorized by a State or governmental subdivision thereof to administer laws, regulations, ordinances or rules pertaining to the brand identification of cattle.

Official calfhood vaccinate. (a) Female cattle or female bison vaccinated while from 4 through 12 months of age by an APHIS representative, State representative, or accredited veterinarian with a reduced dose approved brucella vaccine containing at least 2.7 billion and not more than 10 billion live cells per 2 mL dose of *Brucella abortus* Strain 19 vaccine or at the dosage indicated on the label instructions for other approved brucella vaccines; and

(b) Permanently identified by a tattoo and by an official vaccination eartag in the right ear. However, if already identified with an official eartag prior to vaccination, an additional tag is not required. The tattoo must include the U.S. Registered Shield and ''V,'' preceded by the quarter of the year and followed by the last digit of the year of vaccination. Individual animal registered breed association registration brands or individual animal registered breed association registration tattoos may be substituted for official eartags.

Official eartag. An identification eartag approved by APHIS as being tamper-resistant and providing unique identification for each animal. An official eartag may conform to the alphanumeric National Uniform Eartagging System, or it may bear a valid premises identification number that is used in conjunction with the producer's livestock production numbering system to provide a unique identification number.

Official seal. A serially numbered, metal or plastic strip, consisting of a self-locking device on one end and a slot on the other end, which forms a loop when the ends are engaged and which cannot be reused if opened, or a serially numbered, self-locking button which can be used for this purpose.

Official swine tattoo. A tattoo, conforming to the six-character alpha-numeric National Tattoo System, that provides a unique identification for each herd or lot of swine.

Official test.

(a) *Classification of cattle and bison.* (1) *Standard card test.* (i) A test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS and the State in which the test is to be conducted and when conducted under the following circumstances:

(A) When conditions and time are such that no other test is available; or

(B) When the owner or the owner's agent requests it because of time or situation constraints; or

(C) In specifically approved stockyards when the State animal health official either:

(*1*) Designates the standard card test as the official test for determining the brucellosis disease status of cattle and bison in all specifically approved stockyards in the State. In these States, no other official test except the Buffered Acidified Plate Antigen test shall be used in specifically approved stockyards; or

(*2*) Designates the standard card test as the official test for determining the brucellosis disease status of non-vaccinated cattle or bison (the CITE® test may be designated as a supplemental test for non-vaccinated cattle or bison that test positive to the standard card test); and designates the standard card test as the official test for determining the brucellosis disease status of official vaccinates and the CITE® test, the standard plate test, or the Rivanol test as supplemental tests for official vaccinates that test positive to the standard card test. If supplemental tests are conducted, cattle or bison that are positive to the standard card test shall be classified as brucellosis suspects if all of the supplemental tests conducted disclose a negative or suspect reaction, and shall be classified as brucellosis reactors if any one of the supplemental tests conducted has a positive reaction; or

(D) To test market cattle identification (MCI) program test samples. Cattle and bison which test positive to the BAPA test or RST under the MCI program must be retested using the standard card test or the standard plate or tube agglutination test.

(ii) Results of the standard card test also may be used to supplement the results of other official tests conducted in the cooperative State-Federal laboratory to give the designated epidemiologist additional information when classifying cattle and bison.

(iii) *Standard card test results are interpreted as either negative or positive.* A moderate to marked clumping agglutination reaction is a positive result. Test-eligible cattle and bison positive to the standard card test are classified as brucellosis reactors. Test-eligible cattle and bison negative to the standard card test are classified as brucellosis negative.

(2) *Standard tube test (STT) or standard plate test (SPT).* A test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS and the State in which the test is to be conducted. Cattle and bison are classified according to the following agglutination reactions:

SPT OR STT CLASSIFICATION—OFFICIAL VACCINATES VACCINATED WITH A BRUCELLA ABORTUS STRAIN 19 APPROVED BRUCELLA VACCINE

Titer			Classification
1:50	1:100	1:200	
—	—	—	Negative.
I	—	—	Do.
+	—	—	Do.
+	I	—	Suspect.
+	+	—	Do.
+	+	I	Do.
+	+	+	Reactor.

— No agglutination.
I Incomplete agglutination.
+ Complete agglutination.

OFFICIAL VACCINATES VACCINATED WITH AN APPROVED BRUCELLA VACCINE OTHER THAN A BRUCELLA ABORTUS STRAIN 19 APPROVED BRUCELLA VACCINE

Titer			Classification
1:50	1:100	1:200	
—	—	—	Negative.
I	—	—	Suspect.
+	—	—	Do.
+	I	—	Do.
+	+	—	Reactor.
+	+	I	Do.
+	+	+	Do.

— No agglutination.
I Incomplete agglutination.
+ Complete agglutination.

ALL CATTLE AND BISON WHICH ARE NOT OFFICIAL VACCINATES

Titer			Classification
1:50	1:100	1:200	
—	—	—	Negative.
I	—	—	Suspect.
+	—	—	Do.
+	I	—	Do.
+	+	—	Reactor.
+	+	I	Do.
+	+	+	Do.

— No agglutination.
I Incomplete agglutination.
+ Complete agglutination.

(3) *Manual complement-fixation (CF) test.* A test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS and

the State in which the test is to be conducted. Cattle and bison are classified according to the following reactions:

(i) Cattle and bison which are not official vaccinates:

(A) Fifty percent fixation (2 plus) in a dilution of 1:20 or higher—brucellosis reactor;

(B) Fifty percent fixation (2 plus) in a dilution of 1:10 but less than 50 percent fixation (2 plus) in a dilution of 1:20—brucellosis suspect;

(C) Less than 50 percent fixation (2 plus) in a dilution of 1:10—brucellosis negative;

(ii) Official vaccinates vaccinated with a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Twenty-five percent fixation (1 plus) in a dilution of 1:40 or higher—brucellosis reactor;

(B) Fifty percent fixation (2 plus) in a dilution of 1:10 but less than 25 percent fixation (1 plus) in a dilution of 1:40—brucellosis suspect;

(C) Less than 50 percent fixation (2 plus) in a dilution of 1:10—brucellosis negative.

(iii) Official vaccinates vaccinated with an approved brucella vaccine other than a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Fifty percent fixation (2 plus) in a dilution of 1:20 or higher—brucellosis reactor;

(B) Fifty percent fixation (2 plus) in a dilution of 1:10 but less than 50 percent fixation (2 plus) in a dilution of 1:20—brucellosis suspect;

(C) Less than 50 percent fixation (2 plus) in a dilution of 1:10—brucellosis negative.

(4) *Technicon automated complement-fixation test.* A test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS and the State in which the test is to be conducted. Cattle and bison are classified according to the following reactions:

(i) Cattle and bison which are not official vaccinates:

(A) Fixation in a dilution of 1:10 or higher—brucellosis reactor;

(B) Fixation in a dilution of 1:5 but no fixation in a dilution of 1:10—brucellosis suspect;

(C) No fixation in a dilution of 1:5 or lower—brucellosis negative;

(ii) Official vaccinates vaccinated with a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Fixation in a dilution of 1:20 or higher—brucellosis reactor;

(B) Fixation in a dilution of 1:10 but no fixation in a dilution of 1:20—brucellosis suspect;

(C) Fixation in a dilution of 1:5 or less but no fixation in a dilution of 1:10—brucellosis negative.

(iii) Official vaccinates vaccinated with an approved brucella vaccine other than a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Fixation in a dilution of 1:10 or higher—brucellosis reactor;

(B) Fixation in a dilution of 1:5 but no fixation in a dilution of 1:10— brucellosis suspect;

(C) No fixation in a dilution of 1:5 or lower—brucellosis negative.

(5) *Rivanol test.* A test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS and the State in which the test is to be conducted. Cattle and bison are classified according to the following agglutination reactions:

(i) Cattle and bison which are not official vaccinates:

(A) Complete agglutination at a titer of 1:25 or higher—brucellosis reactor;

(B) Less than complete agglutination at a titer of 1:25—brucellosis negative;

(ii) Official adult vaccinates more than 5 months after vaccination with a *Brucella abortus* Strain 19 approved brucella vaccine and official calfhood vaccinates vaccinated with a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Incomplete agglutination at a titer of 1:100 or higher—brucellosis reactor;

(B) Complete agglutination at a titer of 1:25 or higher when the manual or technicon automated complement-fixation test is not conducted—brucellosis reactor;

(C) Complete agglutination at a titer of 1:50 or less when the manual complement-fixation test or the technicon automated complement-fixation test is

conducted and results in a classification of brucellosis suspect or brucellosis negative—brucellosis suspect;

(D) Less than complete agglutination at a titer of 1:25—brucellosis negative;

(iii) Official adult vaccinates less than 5 months after vaccination with a *Brucella abortus* Strain 19 approved brucella vaccine: Less than complete agglutination at the 1:50 titer—brucellosis negative.

(iv) Official vaccinates vaccinated with an approved brucella vaccine other than a *Brucella abortus* Strain 19 approved brucella vaccine:

(A) Complete agglutination at a titer of 1:25 or higher—brucellosis reactor;

(B) Less than complete agglutination at a titer of 1:25—brucellosis negative.

(6) *Semen plasma test.* A test to determine the brucellosis disease status of bulls used for artificial insemination when conducted in conjunction with an official serological test and according to instructions approved by APHIS and the State in which the test is to be conducted. The classification of such bulls shall be based on the maximum agglutination titer of either the official serological test or the semen plasma test.

(7) *Buffered acidified plate antigen (BAPA) test.* A test to determine the brucellosis disease status of test-eligible cattle and bison at recognized slaughtering establishments and specifically approved stockyards when conducted according to instructions approved by APHIS and the State in which the test is to be conducted. BAPA test results are interpreted as either negative or positive. Cattle and bison negative to the BAPA test are classified as brucellosis negative. Cattle and bison positive to the BAPA test shall be subjected to other official tests to determine their brucellosis classification.

(8) *Rapid screening test (RST).* A test to determine the brucellosis disease status of test-eligible cattle and bison in cooperative State-Federal laboratories when conducted according to instructions approved by APHIS and the State in which the test is to be conducted. RST results are interpreted as either negative or positive. Cattle and bison negative to the RST are classified as brucellosis negative. Cattle and bison positive to the RST shall be subjected to other official tests to determine their brucellosis classification.

(9) *Concentration immunoassay technology (CITE®)* test. An enzyme immunoassay that may be used as a diagnostic supplement to the standard card test by designated epidemiologists determining the brucellosis disease status of cattle and bison. The test must be done in accordance with the CITE® *Brucella abortus* Antibody Test Kit instructions, licensed by the United States Department of Agriculture and approved as of December 31, 1987, and incorporated by reference. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from AgriTech Systems, Inc., 100 Fore Street, Portland, ME 04101. Copies may be inspected at the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, Maryland 20737–1231, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(10) *Particle concentration fluorescence immunoassay (PCFIA) test.* An automated serologic test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS. Cattle and bison are classified according to the following ratio between the test sample and a known negative sample (S/N ratio):

S/N ratio	Classification
Greater than .60	Negative.
Greater than .30 but less than or equal to .60.	Suspect.
.30 or less	Positive.

(11) *D–Tec®* Brucella A test. An automated serologic test to determine the brucellosis disease status of test-eligible cattle and bison when conducted according to instructions approved by APHIS. The degree of reactivity is measured by the ratio of the average optical density of the sample to that of the Negative Control (S/N) and is expressed as Percent Inhibition (1–S/N) × 100. The brucellosis disease status of the animals is classified according to the following established criteria:

Percent inhibition	Classification
Less than or equal to 40 percent	Negative.
Greater than 40 percent and less than or equal to 70 percent.	Suspect.
Greater than 70 percent	Reactor.

(12) *Rapid Automated Presumptive (RAP) test.* An automated serologic test to detect the presence of *Brucella* antibodies in test-eligible cattle and bison. RAP test results are interpreted as either positive or negative; the results are interpreted and reported by a scanning autoreader that measures alterations in light transmission through each test well and the degree of agglutination present. Cattle and bison negative to the RAP test are classified as brucellosis negative; cattle and bison positive to the RAP test shall be subjected to other official tests to determine their brucellosis disease classification.

(13) The evaluation of test results for all cattle and bison shall be the responsibility of a designated epidemiologist in each State. The designated epidemiologist shall consider the animal and herd history and other epidemiologic factors when determining the brucellosis classification of cattle and bison. Deviations from the brucellosis classification criteria as provided in this definition of official test are acceptable when made by the designated epidemiologist.

(i) The designated epidemiologist may consider the results of CITE® tests when evaluating the results of standard card tests of cattle and bison.

(b) *Classification of swine*—(1) *Standard card test.* A test to determine the brucellosis disease status of swine. Standard card test results are interpreted as either negative or positive. A moderate to marked clumping agglutination reaction is a positive result. Swine negative to the standard card test are classified as brucellosis negative. Swine positive to the standard card test in a herd not known to be affected but negative to any other official test or bacteriological culture for *brucella* are classified as brucellosis suspects. Other swine positive to the standard card test are classified as brucellosis reactors.

(2) *Standard tube test.* A test to determine the brucellosis disease status of swine.

(i) If all of the following apply: (A) The swine are part of a herd not known to be affected; (B) No swine tested, individually or as part of a group, has a complete agglutination reaction at a dilution of 1:100 or higher; and (C) the swine are tested as part of a herd blood test or are part of a validated brucellosis-free herd, then the swine are classified according to the following agglutination reactions:

Titer		Classification	
1:25	1:50	1:100	
I	]—	—	Negative.
+	—	—	Do.
+	I	—	Do.
+	+	—	Do.
+	+	I	Do.

— No agglutination.
I Incomplete agglutination.
+ Complete agglutination.

(ii) If any of the following apply: (A) The swine are part of a herd known to be affected; (B) Any swine tested, individually or as part of a group, has a complete agglutination reaction at a dilution of 1:100 or higher or; (C) The swine are not part of a validated brucellosis-free herd and are not being tested as part of a herd blood test, then the swine are classified according to the following agglutination reactions:

Titer		Classification	
1:25	1:50	1:100	
I	—	—	Negative.
+	—	—	Reactor.
+	I	—	Do.
+	+	—	Do.
+	+	I	Do.
+	+	+	Do.

— No agglutination.
I Incomplete agglutination.
+ Complete agglutination.

(3) *Particle concentration fluoresence immunoassay (PCFIA).* An automated serologic test to determine the brucellosis disease status of test-eligible swine when conducted according to instructions approved by the Animal and Plant Health Inspection Service. Swine are classified according to the following ratios between the test sample and a known negative sample (S/N ratio):

S/N Ratio	Classification
0.71 or greater	Negative.
0.51 to 0.70	Suspect.
0.50 or less	Reactor.

(4) *Rapid Automated Presumptive (RAP) test.* An automated serologic test to detect the presence of *Brucella* antibodies in test-eligible swine. RAP test results are interpreted as either positive or negative; the results are interpreted and reported by a scanning autoreader that measures agglutination based on alterations in light transmission through each test well. Swine negative to the RAP test are classified as brucellosis negative; swine positive to the RAP test shall be subjected to other official tests to determine their brucellosis disease classification.

Official vaccinate. An official calfhood vaccinate or an official adult vaccinate. The accredited veterinarian, State representative or APHIS representative who performs the vaccination must forward a completed official vaccination certificate for each animal vaccinated to the State animal health official of the State in which the animal was vaccinated.

Official vaccination eartag. An APHIS approved identification eartag conforming to the alpha-numeric National Uniform Eartagging System which provides unique identification for each animal. The eartag shall have a ''V'' followed by 2 letters and 4 numbers. States which require more official vaccination eartags than the number of combinations available in the ''V'' series of tags shall use a ''T'' or ''S'' followed by 2 letters and 4 numbers. Duplicate reissue of official vaccination eartags shall not be made more often than once each 15 years.

Originate. (a) Animals will have the status of the herd from which they are moved if:

(1) They were born and maintained in the herd since birth; or

(2) They have been in the herd for at least 120 days.

(b) Animals will have the status of the State or area from which they are moved if:

(1) They were born and maintained in the State or area since birth; or

(2) They were previously moved from a State or area of equal or higher class to the State or area; or

(3) They were previously moved from a State or area of lower class to the State or area where they are now located and have been in the new State or area for at least 120 days.

(c) Cattle penned in a specifically approved stockyard with cattle from a lower class State or area, in violation of the requirements set forth in § 71.20 of this chapter, shall have the status of the State or area of lower class for any subsequent movement.

Parturient. Visibly prepared to give birth or within 2 weeks of giving birth (springers).

Permit. An official document (VS Form 1–27 or a State form which contains the same information but not a ''permit for entry'' or '''S' brand permit'') issued by an APHIS representative, State representative, or accredited veterinarian which lists the owner's name and address, points of origin and destination, number of animals covered, purpose of the movement, any reactor tag number, and one of the following: The official eartag number, individual animal registered breed association registration tattoo, individual animal registered breed association registration brand, United States Department of Agriculture backtag (when applied serially, only the beginning and the ending numbers need be recorded), individual animal registered breed association registration number, or similar individual identification. (A new permit is required for each change in destination. However, permits accompanying cattle or bison to an approved intermediate handling facility may list either the approved intermediate handling facility, a quarantined feedlot or a recognized slaughtering establishment as the point of destination. If the permit lists a quarantined feedlot or a recognized slaughtering establishment as the point of destination, then the permit must list the approved intermediate handling facility as a temporary stopping point, and no additional permit is required for the subsequent movement of the cattle or bison to the quarantined feedlot or to the recognized slaughtering establishment.)

Permit for entry. A premovement authorization for entry of cattle into a State from the State animal health official of the State of destination. It may be oral or written.

Person. Any individual, corporation, company, association, firm, partnership, society, or joint stock company or other legal entity.

Postparturient. Having given birth.

Purebred registry association. A swine breed association formed and perpetuated for the maintenance of records of purebreeding of swine species for a specific breed whose characteristics are set forth in Constitutions, By-Laws, and other rules of the association.

Qualified herd. (a) Qualification. (1) Any herd of cattle or bison which is in a quarantined area, not known to be affected, and negative to two consecutive herd blood tests. The first of these two herd blood tests shall be conducted not more than 240 days nor less than 120 days prior to the date of classification as a qualified herd. The second herd blood test may not be conducted less than 90 days nor more than 150 days after the first test. Additionally, the second herd blood test must be within 120 days of the date of classification as a qualified herd; or (2) Any certified brucellosis-free herd in a quarantined area which is negative to a herd blood test 120 days before or after designation of the area as a quarantined area.

(b) *Requalification.* In order to remain a qualified herd, a herd must be negative to successive requalifying herd blood tests. Each requalifying test shall be conducted not more than 120 days from the date of the preceding herd blood test. All cattle or bison added to a qualified herd must be included in two successive herd blood tests of the qualified herd to qualify as cattle or bison from the qualified herd.

Quarantined area. An area that does not meet the criteria for classification as Class Free, Class A, Class B, or Class C.

Quarantined feedlot.[1] A confined area under State quarantine approved jointly by the State animal health official and the Veterinarian in Charge. Approval will be granted only after a State representative or APHIS representative inspects the confined area and determines that all cattle and bison are secure and isolated from contact with all other cattle and bison, that there are facilities for identifying cattle and bison, and that there is no possibility of brucellosis being mechanically transmitted from the confined area. The quarantined feedlot shall be maintained for feeding cattle and bison for slaughter, with no provisions for pasturing or grazing. All cattle and bison in a quarantined feedlot, except steers and spayed heifers, shall be treated as brucellosis exposed.

(a) All cattle and bison, except steers and spayed heifers, leaving the quarantined feedlot must (1) Be accompanied by a permit and move directly to a recognized slaughtering establishment; or (2) Be ''S'' branded and accompanied by an ''S'' brand permit and move directly to an approved intermediate handling facility and then directly to another quarantined feedlot or a recognized slaughtering establishment; or (3) Be accompanied by a permit issued by the State animal health official and move directly to another quarantined feedlot; or (4) After being ''S'' branded at the quarantined feedlot, be accompanied by an ''S'' brand permit and move directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and bison and then directly to a recognized slaughtering establishment or another quarantined feedlot; or (5) After being ''S'' branded at the quarantined feedlot, be accompanied by an ''S'' brand permit and move directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and bison and then directly to an approved intermediate handling facility and then directly to another quarantined feedlot or a recognized slaughtering establishment. However, finished fed cattle moving directly to a recognized slaughtering establishment are exempt from the permit/''S'' brand permit requirement.

(b) The State animal health official and the Veterinarian in Charge shall establish procedures for accounting for

[1] A list of quarantined feedlots in any State may be obtained from the State animal health official, a State representative, or an APHIS representative.

all cattle and bison entering or leaving quarantined feedlots.

Quarantined pasture. A confined grazing area under State quarantine approved by the State animal health official, Veterinarian in Charge and the Administrator. A justification of the need for the quarantined pasture must be prepared by the State animal health official and/or Veterinarian in Charge and submitted to the Administrator. An intensified brucellosis eradication effort which produces large numbers of brucellosis exposed cattle or bison or official adult vaccinates needing the grazing period to reach slaughter condition would be an acceptable justification. Approval will be granted only after a State representative or APHIS representative inspects the confined grazing area and determines that all cattle and bison are secure and isolated from contact with all other cattle and bison, that there are facilities for identifying the cattle and bison, and that there is no possibility of brucellosis being mechanically transmitted from the confined grazing area. The quarantined pasture shall be for utilizing available forage for growth or to improve flesh condition of cattle or bison. No cattle or bison may be moved interstate into these quarantined pastures, which shall be restricted for use by cattle or bison originating within the State. All cattle or bison shall be of the same sex, except that neutered cattle and bison may share the quarantined pasture. All cattle and bison, except steers and spayed heifers, must be ''S'' branded upon entering the quarantined pasture. All cattle and bison, except steers and spayed heifers, leaving the quarantined pasture must move directly to a recognized slaughtering establishment or quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment. The movement shall be in accordance with established procedures for handling brucellosis exposed cattle and bison, including issuance of ''S'' brand permits prior to movement. The State animal health official and Veterinarian in Charge shall establish procedures for accounting for all cattle and bison entering and leaving the quarantined pasture. All brucellosis exposed cattle and bison must vacate the premises on or before the expiration of approval, which may not last longer than 10 months.

Recognized slaughtering establishment.[2] Any slaughtering establishment operating under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) or a State meat inspection act.

Rodeo bulls. Male cattle kept solely for performance at rodeos.

''S'' branded. Branding with a hot iron the letter ''S'' high on the left hip near the tailhead and at least 5 by 5 centimeters (2 by 2 inches) in size.

''S'' brand permit. A document prepared at the point of origin which lists the points of origin and destination, the number of animals covered, the purpose of movement, and one of the following: The official eartag number, individual animal registered breed association registration tattoo, individual animal registered breed association registration brand, individual animal registered breed association registration number, United States Department of Agriculture backtag (when applied serially, only the beginning and the ending numbers need be recorded), or similar individual identification. If the document is prepared at a quarantined feedlot, it shall be prepared by an accredited veterinarian, a State representative, or an individual designated for that purpose by the State animal health official. If the document is prepared at any other point of origin, it shall be prepared by an accredited veterinarian, State representative, or APHIS representative. (A new ''S'' brand permit is required for each change in destination. However, ''S'' brand permits accompanying cattle or bison to approved intermediate handling facilities may list either the approved intermediate handling facility, a quarantined feedlot, or a recognized slaughtering establishment as the point of destination. If the ''S'' brand

[2] A list of recognized slaughtering establishments in any State may be obtained from an APHIS representative, the State animal health official, or a State representative.

permit lists a quarantined feedlot or a recognized slaughtering establishment as the point of destination, the ''S'' brand permit must list the approved intermediate handling facility as a temporary stopping point, and no additional ''S'' brand permit is required for the subsequent movement of the cattle or bison from the approved intermediate handling facility to the quarantined feedlot or to the recognized slaughtering establishment. Subsequent movements from the quarantined feedlot shall be subject to requirements set forth in the definition of ''quarantined feedlot'' in this section.)

Sow. A female swine which is parturient or postparturient.

Specifically approved stockyard.[3] Premises where cattle or bison are assembled for sale or sale purposes and which meet the standards set forth in §71.20 of this chapter and are approved by the Administrator.

State. Any State, the District of Columbia, Puerto Rico, the Virgin Islands of the United States, Guam, the Northern Mariana Islands or any other territory or possession of the United States.

State animal health official. The State official responsible for livestock and poultry disease control and eradication programs.

State representative. An individual employed in animal health work by a State or a political subdivision thereof and authorized by such State or political subdivision to perform the function involved under a memorandum of understanding with the United States Department of Agriculture.

Successfully closed case. Follow up of an MCI reactor traceback with an epidemiologic investigation which results in brucellosis testing or quarantine of the herd of origin, or a determination by a designated brucellosis epidemiologist that justification exists for not testing or quarantining the herd of origin.

Swine brucellosis. The communicable disease of swine caused by *Brucella suis* (*B. suis*) biovar 1 or 3.

Test-eligible cattle and bison. For purposes of interstate movement, test-eligible cattle and bison are:

(a) Cattle and bison which are not official vaccinates and which have lost their first pair of temporary incisors (18 months of age or over), except steers and spayed heifers;

(b) Official calfhood vaccinates 18 months of age or over which are parturient or postparturient;

(c) Official calfhood vaccinates of beef breeds or bison with the first pair of permanent incisors fully erupted (2 years of age or over); and

(d) Official calfhood vaccinates of dairy breeds with partial eruption of the first pair of permanent incisors (20 months of age or over).

United States Department of Agriculture backtag. A backtag issued by APHIS that conforms to the eight-character alpha-numeric National Backtagging System, and that provides unique identification for each animal.

Validated brucellosis-free herd. (a) A swine herd not known to be infected with swine brucellosis, located in a validated brucellosis-free State; or

(b) A swine herd in a State that has not been validated as brucellosis-free, provided the herd meets the conditions for validation, as follows:

(1) *Validation.* A swine herd may be validated as brucellosis-free if it has been found brucellosis negative after either a complete-herd test (CHT) or an incremental CHT. The incremental CHT may be conducted by testing all breeding swine 6 months of age or older with negative results within 365 days, either in four 25-percent increments, with those tests being conducted on the 90th, 180th, 270th, and 360th days of the testing cycle, or in 10-percent increments every 25–35 days until 100 percent of those swine have been tested. In cases where unforseen circumstances warrant such action, the Administrator may approve an extension of up to 15 days of the date on which a test under the 25-percent incremental herd test is to be conducted, thus allowing a test to be conducted no later than the 105th, 195th, 285th, or 375th day of the testing cycle. No swine may be tested

[3] Notices containing lists of specifically approved stockyards are published in the FEDERAL REGISTER. Lists of specifically approved stockyards also may be obtained from the State animal health official, State representatives, or APHIS representatives.

twice during the testing cycle to comply with either the 25 percent requirement or the 10 percent requirement. No further testing is required once 100 percent of the breeding swine have been tested. After all breeding swine have tested brucellosis negative, a herd may be validated as brucellosis-free. Unless the Administrator has approved an alternative testing schedule, which might extend the testing cycle, a herd retains validated brucellosis-free status for a maximum of 365 days.

(2) *Maintaining validation.* Validation may be continuously maintained if a complete herd test (CHT) is performed once every 365 days, with negative results, or an incremental CHT is performed. The incremental CHT may be conducted by testing all breeding swine 6 months of age or older, with negative results, within 365 days in either four 25-percent increments, with those tests being conducted on the 90th, 180th, 270th, and 360th days of the testing cycle, or in 10-percent increments every 25–35 days until 100 percent of those swine have been tested. In cases where unforeseen circumstances warrant such action, the Administrator may approve an alternative testing schedule under which the 25 percent or 10 percent incremental CHT would be completed, with negative results, within 420 days, during which time the herd's validated brucellosis-free status would be continued. No swine may be tested twice during the testing cycle to comply with these requirements. No further testing is required once 100 percent of the breeding swine have been tested.

Validated brucellosis-free State. A State may apply for validated-free status when:

(a) Any herd found to have swine brucellosis during the 2-year qualification period preceding the application has been depopulated. More than one finding of a swine brucellosis-infected herd during the qualification period disqualifies the State from validation as brucellosis-free; and

(b) During the 2-year qualification period, the State has completed surveillance, annually, as follows:

(1) *Complete herd testing.* Subjecting all swine in the State that are 6 months of age or older and maintained for breeding purposes to an official swine brucellosis test; or

(2) *Market swine testing.* Subjecting 20 percent of the State's swine 6 months of age or older and maintained for breeding purposes to an official swine brucellosis test, and demonstrating successful traceback of at least 80 percent of market swine test (MST) reactors to the herd of origin. Blood samples may be collected from MST swine if the swine can be identified to their herd of origin, in accordance with § 71.19(b) of this subchapter. All MST reactor herds are subject to a CHT within 30 days of the MST laboratory report date, as determined by a designated epidemiologist; or

(3) *Statistical analysis.* Demonstrating, by a statistical analysis of all official swine brucellosis test results (including herd validation, MST, change-of-ownership, diagnostic) during the 2-year qualification period, a surveillance level equivalent or superior to CHT and MST testing programs discussed in this paragraph.

(c) To maintain validation, a State must annually survey at least 5 percent of its breeding swine, and demonstrate traceback to herd of origin of at least 80 percent of all MST reactors. A State must demonstrate its continuing ability to meet the criteria set forth in paragraph (c) of this definition within 36–40 months of receiving validated brucellosis-free State status to retain that status.

Veterinarian in Charge. The veterinary official of the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is assigned by the Administrator to supervise and perform the official animal health work of the Animal and Plant Health Inspection Service in the State concerned.

Whole herd vaccination. The vaccination of all female cattle and female bison 4 months of age or over in a herd when authorized by the State animal health official and the Veterinarian in Charge, and conducted in accordance with the definitions of official adult vaccinate and official calfhood vaccinate.

(Approved by the Office of Management and Budget under control number 0579–0047)

[51 FR 32580, Sept. 12, 1986]

EDITORIAL NOTE: For Federal Register citations affecting § 78.1, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 78.2 Handling of certificates, permits, and "S" brand permits for interstate movement of animals.

(a) Any certificate, permit, or ''S'' brand permit required by this part for the interstate movement of animals shall be delivered to the person moving the animals by the shipper or shipper's agent at the time the animals are delivered for movement and shall accompany the animals to their destination and be delivered to the consignee or the person receiving the animals.

(b) The APHIS representative, State representative, or accredited veterinarian issuing a certificate or permit required for the interstate movement of animals under this part, except for permits for entry and ''S'' brand permits, shall forward a copy thereof as follows:

(1) A copy of each certificate shall be forwarded to the State animal health official of the State of destination, or to the State animal health official of the State of origin for forwarding to the State of destination; or

(2) A copy of each permit shall be forwarded to the State animal health official of the State of destination.

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[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54533, Oct. 22, 1991; 56 FR 58639, Nov. 21, 1991]

§ 78.3 Handling in transit of cattle and bison moved interstate.

Cattle and bison moving interstate, except cattle and bison moved directly to a recognized slaughtering establishment, approved intermediate handling facility, or quarantined feedlot, shall be moved only in a means of conveyance which has been cleaned in accordance with §§ 71.5, 71.7, 71.10, and 71.11 of this chapter and, if unloaded in the course of such movement, shall be handled only in pens cleaned in accordance with the provisions of §§ 71.4, 71.7, 71.10, and 71.11 of this chapter.

§ 78.4 [Reserved]

Subpart B—Restrictions on Interstate Movement of Cattle Because of Brucellosis

§ 78.5 General restrictions.

Cattle may not be moved interstate except in compliance with this subpart.

§ 78.6 Steers and spayed heifers.

Steers and spayed heifers may be moved interstate without restriction under this subpart.

§ 78.7 Brucellosis reactor cattle.

(a) *Destination.* Brucellosis reactor cattle may be moved interstate only for immediate slaughter as follows:

(1) Directly to a recognized slaughtering establishment;

(2) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment; or

(3) From a farm of origin directly to a specifically approved stockyard approved to receive brucellosis reactors and then

(i) Directly to a recognized slaughtering establishment; or

(ii) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment.

(b) *Identification.* Brucellosis reactor cattle must be individually identified prior to moving interstate by attaching to the left ear a metal tag bearing a serial number and the inscription ''U.S. Reactor,'' or a metal tag bearing a serial number designated by the State animal health official for identifying brucellosis reactors, and must be:

(1) ''B'' branded (as defined in § 78.1); or

(2) Accompanied directly to slaughter by an APHIS or State representative; or

(3) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit.

(c) *Permit.* Brucellosis reactor cattle moving interstate shall be accompanied to destination by a permit.

(d) *Marking of records.* Each person moving brucellosis reactor cattle interstate shall, in the course of interstate movement, plainly write or stamp the words ''Brucellosis Reactor'' upon the face of any document that person prepares in connection with such movement.

(e) *Segregation en route.* Brucellosis reactor cattle shall not be moved interstate in any means of conveyance containing animals which are not brucellosis reactors unless all the animals are for immediate slaughter or unless the brucellosis reactor cattle are kept separate from the other animals by a partition securely affixed to the sides of the means of conveyance.

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 32580, Sept. 12, 1986, as amended at 59 FR 67133, Dec. 29, 1994; 60 FR 48367, Sept. 19, 1995]

§ 78.8 Brucellosis exposed cattle.

Brucellosis exposed cattle may be moved interstate only as follows:

(a) *Movement to recognized slaughtering establishments.* (1) Finished fed cattle from a quarantined feedlot may be moved interstate

(i) Directly to a recognized slaughtering establishment without further restriction under this part; or

(ii) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if accompanied by a permit or ''S'' brand permit.

(2) Brucellosis exposed cattle may be moved interstate directly to a recognized slaughtering establishment if such cattle are:

(i) Individually identified by an official eartag or a United States Department of Agriculture backtag;

(ii) Accompanied by a permit or ''S'' brand permit; and

(iii)(A) ''S'' branded before leaving the premises from which they are to be moved interstate; or

(B) ''B'' branded when a claim for indemnity is made under part 51 of this chapter; or

(C) Official adult vaccinates; or

(D) Accompanied directly to slaughter by an APHIS or State representative; or

(E) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the accompanying permit or ''S'' brand permit.

(3) Brucellosis exposed cattle may be moved interstate directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if such cattle are:

(i) Individually identified by an official eartag or a United States Department of Agriculture backtag;

(ii) Accompanied by a permit or ''S'' brand permit; and

(iii)(A) ''S'' branded before leaving the premises from which they are to be moved interstate; or

(B) ''B'' branded when a claim for indemnity is made under part 51 of this chapter; or

(C) Official adult vaccinates; or

(D) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit or ''S'' brand permit.

(4) Brucellosis exposed cattle moving to slaughter from a farm of origin may be moved directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and then directly to a recognized slaughtering establishment if such cattle are:

(i) Individually identified by an official eartag or United States Department of Agriculture backtag;

(ii) Accompanied by a permit or ''S'' brand permit; and

(iii)(A) ''S'' branded before leaving the premises from which they are to be moved interstate; or

(B) ''B'' branded when a claim for indemnity is made under part 51 of this chapter; or

(C) Official adult vaccinates; or

(D) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the accompanying permit or ''S'' brand permit.

(5) Brucellosis exposed cattle moving to slaughter from a farm of origin may be moved directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and then directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if such cattle are:

(i) Individually identified by an official eartag or United States Department of Agriculture backtag;

(ii) Accompanied by a permit or ''S'' brand permit; and

(iii)(A) ''S'' branded before leaving the premises from which they are to be moved interstate; or

(B) ''B'' branded when a claim for indemnity is made under part 51 of this chapter; or

(C) Official adult vaccinates; or

(D) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit or ''S'' brand permit.

(b) *Movement to quarantined feedlots.* Brucellosis exposed cattle for which no claim for indemnity is being made by the owner under part 51 of this chapter may be moved interstate directly to a quarantined feedlot, or from a farm of origin directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and then directly to a quarantined feedlot, or from a farm of origin directly to an approved intermediate handling facility and then directly to a quarantined feedlot, or from a farm of origin directly to a specifically approved stockyard approved to receive brucellosis exposed cattle and then directly to an approved intermediate handling facility and then directly to a quarantined feedlot, if the cattle are:

(1) Individually identified by an official eartag or a United States Department of Agriculture backtag;

(2) Accompanied by a permit or ''S'' brand permit; and

(3)(i) ''S'' branded before leaving the premises from which they are to be moved interstate; or

(ii) Official adult vaccinates; or

(iii) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit or ''S'' brand permit.

(c) *Movement other than in accordance with paragraphs (a) and (b) of this section.* Brucellosis exposed cattle for which no claim for indemnity is being made by the owner under part 51 of this chapter also may be moved interstate in accordance with §78.10 and as follows:

(1) Such brucellosis exposed cattle from herds known to be affected other than female cattle which originate in Class B States or areas or Class C States or areas may be moved interstate if the cattle are:

(i) Under 6 months of age and weaned from brucellosis reactors or brucellosis exposed cows not less than 30 days immediately preceding interstate movement; or

(ii) Under 6 months of age and nursing brucellosis exposed cows in a herd subjected to a herd blood test within 10 days prior to interstate movement; or

(iii) Official vaccinates under 1 year of age from a herd following an approved individual herd plan.

(2) Cattle moved interstate from a farm of origin directly to a specifically approved stockyard in accordance with §78.9(b)(3)(iii), 78.9(c)(3)(iii), or 78.9(d)(3) of this part and subsequently determined to be brucellosis exposed may be moved interstate directly back to the farm of origin under the following conditions:

(i) Prior to interstate movement, State representatives of the State in which the cattle are located and the State of destination advise APHIS that such movement would not be contrary

to the laws and regulations of their respective States;

(ii) Prior to interstate movement, the State representative of the State of destination agrees to quarantine the cattle on arrival and to require that all test-eligible cattle on the farm of origin be subjected to an official test; and

(iii) The cattle are accompanied to the farm of origin by a permit.

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[51 FR 32580, Sept. 12, 1986, as amended at 54 FR 1925, Jan. 18, 1989; 56 FR 54533, 54534, Oct. 22, 1991; 56 FR 65782, Dec. 18, 1991; 59 FR 67133, Dec. 29, 1994; 60 FR 48367, Sept. 19, 1995]

§78.9 Cattle from herds not known to be affected.

Male cattle which are not test eligible and are from herds not known to be affected may be moved interstate without further restriction. Female cattle which are not test eligible and are from herds not known to be affected may be moved interstate only in accordance with §78.10 of this part and this section. Test-eligible cattle which are not brucellosis exposed and are from herds not known to be affected may be moved interstate only in accordance with §78.10 and as follows:

(a) *Class Free States/areas.* Test-eligible cattle which originate in Class Free States or areas, are not brucellosis exposed, and are from a herd not known to be affected may be moved interstate from Class Free States or areas only as specified below:

(1) *Movement to recognized slaughtering establishments.*

(i) Such cattle may be moved interstate directly to a recognized slaughtering establishment or directly to a specifically approved stockyard and then directly to a recognized slaughtering establishment without restriction under this subpart.

(ii) Such cattle may be moved interstate from a farm of origin directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if accompanied by a permit.

(iii) Such cattle may be moved interstate from other than a farm of origin directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if such cattle are accompanied by a permit.

(2) *Movement to quarantined feedlots.* Such cattle may be moved interstate without restriction under this subpart directly to a quarantined feedlot, or directly to a specifically approved stockyard and then directly to a quarantined feedlot, or directly to a specifically approved stockyard and then directly to an approved intermediate handling facility and then directly to a quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot.

(3) *Movement other than in accordance with paragraphs* (a)(1) *and* (2) *of this section.* Such cattle may be moved interstate other than in accordance with paragraphs (a)(1) and (2) of this section only if:

(i) Such cattle are moved interstate from a farm of origin directly to a specifically approved stockyard; or

(ii) Such cattle are moved interstate from a farm of origin or returned interstate to a farm of origin in the course of normal ranching operations, without change of ownership, directly to or from another premises owned, leased, or rented by the same individual; or

(iii) Such cattle are moved interstate accompanied by a certificate which states, in addition to the items specified in §78.1, that the cattle originated in a Class Free State or area.

(b) *Class A States/areas.* Test-eligible cattle which originate in Class A States or areas, are not brucellosis exposed, and are from a herd not known to be affected may be moved interstate from Class A States or areas only as specified below:

(1) *Movement to recognized slaughtering establishments.* (i) Such cattle may be moved interstate from a farm of origin or nonquarantined feedlot directly to a recognized slaughtering establishment or directly to a specifically approved stockyard and then directly to a recognized slaughtering establishment without restriction under this subpart.

(ii) Such cattle may be moved interstate from a farm of origin directly to an approved intermediate handling facility without restriction under this subpart.

(iii) Such cattle from other than a farm of origin or nonquarantined feedlot may be moved interstate directly to a recognized slaughtering establishment or directly to a specifically approved stockyard and then directly to a recognized slaughtering establishment if identity to the Class A State or area is maintained by means of identification tag numbers appearing on sale records showing the consignor or by penning cattle from the farm or State or area apart from other animals.

(iv) Such cattle from other than a farm of origin may be moved interstate accompanied by a permit.

(A) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment; or

(B) Directly to a specifically approved stockyard and then directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment.

(2) *Movement to quarantined feedlots.* (i) Such cattle may be moved interstate from a farm of origin directly to a quarantined feedlot, or directly to a specifically approved stockyard and then directly to a quarantined feedlot, or directly to a specifically approved stockyard and then directly to an approved intermediate handling facility and then directly to a quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot, if the identity of the farm of origin of the cattle is maintained by means of identification tag numbers appearing on sale records showing the consignor or by penning cattle from the farm of origin apart from other animals.

(ii) Such cattle from other than a farm of origin may be moved interstate directly to a quarantined feedlot or directly to a specifically approved stockyard and then directly to a quarantined feedlot if identity to the Class A State or area is maintained by means of identification tag numbers appearing on sale records showing the consignor or by penning cattle from one farm or State or area apart from other animals.

(3) *Movement other than in accordance with paragraphs* (b)(1) *and* (2) *of this section.* Such cattle may be moved interstate other than in accordance with paragraphs (b)(1) and (2) of this section only if:

(i) Such cattle originate in a certified brucellosis-free herd and are accompanied interstate by a certificate which states, in addition to the items specified in §78.1, that the cattle originated in a certified brucellosis-free herd; or

(ii) Such cattle are negative to an official test within 30 days prior to such interstate movement and are accompanied interstate by a certificate which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(iii) Such cattle are moved interstate from a farm of origin directly to a specifically approved stockyard and are subjected to an official test upon arrival at the specifically approved stockyard prior to losing their identity with the farm of origin; or

(iv) Such cattle are moved interstate from a farm of origin or returned interstate to a farm of origin in the course of normal ranching operations, without change of ownership, directly to or from another premises owned, leased, or rented by the same individual.

(c) *Class B States/areas.* Test-eligible cattle which originate in Class B States or areas, are not brucellosis exposed, and are from a herd not known to be affected may be moved interstate from Class B States or areas only under the conditions specified below:

(1) *Movement to recognized slaughtering establishments.* (i) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a recognized slaughtering establishment without restriction under this subpart.

(ii) Such cattle may be moved interstate from a farm of origin directly to an approved intermediate handling facility without restriction under this subpart.

(iii) Such cattle may be moved interstate from a nonquarantined feedlot directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if they are accompanied by a permit or ''S'' brand permit.

(iv) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a specifically approved stockyard and then to a recognized slaughtering establishment if:

(A) They are negative to an official test conducted at the specifically approved stockyard and are accompanied to slaughter by a certificate or ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd and identity to the certified brucellosis-free herd is maintained; or

(C) They are ''S'' branded at the specifically approved stockyard, accompanied by an ''S'' brand permit, and moved directly to a recognized slaughtering establishment; or

(D) They are moved from the specifically approved stockyard accompanied by an ''S'' brand permit and in vehicles closed with official seals applied and removed by an APHIS representative, a State representative, an accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(v) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a specifically approved stockyard and then to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if:

(A) They are negative to an official test conducted at the specifically approved stockyard and are accompanied by an ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd, identity to the certified brucellosis-free herd is maintained, and they are accompanied by an ''S'' brand permit; or

(C) They are ''S'' branded at the specifically approved stockyard, accompanied by an ''S'' brand permit, and moved directly to an approved intermediate handling facility; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(vi) Such cattle from other than a farm of origin or a nonquarantined feedlot may be moved interstate to a recognized slaughtering establishment only if:

(A) They are negative to an official test within 30 days prior to such interstate movement and are accompanied by a certificate or ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd and identity to the certified brucellosis-free herd is maintained; or

(C) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to a recognized slaughtering establishment; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, a State representative, an accredited veterinarian, or by an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(vii) Such cattle from other than a farm of origin or a nonquarantined feedlot may be moved interstate to an approved intermediate handling facility and then directly to a recognized slaughtering establishment only if:

(A) They are negative to an official test within 30 days prior to such interstate movement and are accompanied by a permit or ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd, identity to the certified brucellosis-free herd is maintained, and they are accompanied by an ''S'' brand permit; or

(C) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to an approved intermediate handling facility; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(2) *Movement to quarantined feedlots.* (i) Such cattle may be moved interstate from a farm of origin directly to:

(A) A quarantined feedlot if such cattle are ''S'' branded upon arrival at the quarantined feedlot; or

(B) A specifically approved stockyard and then directly to a quarantined feedlot or directly to an approved intermediate handling facility and then directly to a quarantined feedlot, if the cattle are ''S'' branded upon arrival at the specifically approved stockyard and are accompanied to the quarantined feedlot by an ''S'' brand permit; or

(C) An approved intermediate handling facility and then directly to a quarantined feedlot, if the cattle are ''S'' branded upon arrival at the approved intermediate handling facility and are accompanied to the quarantined feedlot by an ''S'' brand permit; or

(D) A quarantined feedlot, a specifically approved stockyard and then directly to a quarantined feedlot, or an approved intermediate handling facility and then directly to a quarantined feedlot if the cattle are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(ii) Such cattle from other than a farm of origin may be moved interstate to a quarantined feedlot if:

(A) They are negative to an official test within 30 days prior to such movement and are accompanied by a certificate which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to a quarantined feedlot; or

(C) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(3) *Movement other than in accordance with paragraphs* (c)(1) *and* (2) *of this section.* Such cattle may be moved interstate other than in accordance with paragraphs (c)(1) and (2) of this section only if:

(i) Such cattle originate in a certified brucellosis-free herd and are accompanied interstate by a certificate which states, in addition to the items specified in §78.1, that the cattle originated in a certified brucellosis-free herd; or

(ii) Such cattle are negative to an official test within 30 days prior to interstate movement, have been issued a permit for entry, and are accompanied interstate by a certificate which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(iii) Such cattle are moved interstate from a farm of origin directly to a specifically approved stockyard and are subjected to an official test upon arrival at the specifically approved stockyard prior to losing their identity with the farm of origin; or

(iv) Such cattle are moved interstate from a farm of origin or returned interstate to a farm of origin in the course of normal ranching operations, without change of ownership, directly to or from another premises owned, leased or rented by the same individual, and (A) The cattle being moved originate from a herd in which (*1*) All the cattle were negative to a herd blood test within 1 year prior to the interstate movement; (*2*) Any cattle added to the herd after such herd blood test were negative to an official test within 30 days prior to the date the cattle were added to the

herd; (3) None of the cattle in the herd have come in contact with any other cattle; and (B) The cattle are accompanied interstate by a document which states the dates and results of the herd blood test and the name of the laboratory in which the official tests were conducted.

(v) The State animal health officials of the State of origin and State of destination may waive the requirements of paragraph (c)(3)(iv) of this section in writing.

(d) *Class C States/areas.* All female cattle and test-eligible male cattle which originate in Class C States or areas, are not brucellosis exposed, and are from a herd not known to be affected may be moved interstate from Class C States or areas only under the conditions specified below:

(1) *Movement to recognized slaughtering establishments.* (i) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a recognized slaughtering establishment without restriction under this subpart.

(ii) Such cattle may be moved interstate from a farm of origin directly to an approved intermediate handling facility without restriction under this subpart.

(iii) Such cattle may be moved interstate from a nonquarantined feedlot directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if they are accompanied by a permit or ''S'' brand permit.

(iv) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a specifically approved stockyard and then to a recognized slaughtering establishment if:

(A) They are negative to an official test conducted at the specifically approved stockyard and are accompanied by a certificate or ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd and identity to the certified brucellosis-free herd is maintained; or

(C) They are ''S'' branded at the specifically approved stockyard, accompanied by an ''S'' brand permit, and moved directly to a recognized slaughtering establishment; or

(D) They are moved from the specifically approved stockyard accompanied by an ''S'' brand permit and in vehicles closed with official seals applied and removed by an APHIS representative, a State representative, an accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(v) Such cattle may be moved interstate from a farm of origin or a nonquarantined feedlot directly to a specifically approved stockyard and then to an approved intermediate handling facility and then directly to a recognized slaughtering establishment if:

(A) They are negative to an official test conducted at the specifically approved stockyard and are accompanied by an ''S'' brand permit which states, in addition to the items specified in §78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd, identity to the certified brucellosis-free herd is maintained, and they are accompanied by an ''S'' brand permit; or

(C) They are ''S'' branded at the specifically approved stockyard, accompanied by an ''S'' brand permit, and moved directly to an approved intermediate handling facility; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(vi) Such cattle from other than a farm of origin or a nonquarantined feedlot may be moved interstate to a recognized slaughtering establishment only if:

(A) They are negative to an official test within 30 days prior to such interstate movement and are accompanied by a certificate or ''S'' brand permit which states, in addition to the items

specified in § 78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd and identity to the certified brucellosis-free herd is maintained; or

(C) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to a recognized slaughtering establishment; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, a State representative, an accredited veterinarian, or by an individual authorized for this purpose by the APHIS representative.

The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(vii) Such cattle from other than a farm of origin or a nonquarantined feedlot may be moved interstate to an approved intermediate handling facility and then directly to a recognized slaughtering establishment only if:

(A) They are negative to an official test within 30 days prior to such interstate movement and are accompanied by a permit or ''S'' brand permit which states, in addition to the items specified in § 78.1, the test dates and results of the official tests; or

(B) They originate from a certified brucellosis-free herd, identity to the certified brucellosis-free herd is maintained, and they are accompanied by an ''S'' brand permit; or

(C) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to an approved intermediate handling facility; or

(D) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(2) *Movement to quarantined feedlots.*

(i) Such cattle may be moved interstate from a farm of origin directly to:

(A) A quarantined feedlot if such cattle are ''S'' branded upon arrival at the quarantined feedlot; or

(B) A specifically approved stockyard and then directly to a quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot, if the cattle are ''S'' branded upon arrival at the specifically approved stockyard and are accompanied to the quarantined feedlot by an ''S'' brand permit; or

(C) An approved intermediate handling facility and then directly to a quarantined feedlot, if the cattle are ''S'' branded upon arrival at the approved intermediate handling facility and are accompanied to the quarantined feedlot by an ''S'' brand permit; or

(D) A quarantined feedlot, a specifically approved stockyard and then directly to a quarantined feedlot, or an approved intermediate handling facility and then directly to a quarantined feedlot if the cattle are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(ii) Such cattle from other than a farm of origin may be moved interstate to a quarantined feedlot if:

(A) They are negative to an official test within 30 days prior to such movement and are accompanied by a certificate which states, in addition to the items specified in § 78.1, the test dates and results of the official tests; or

(B) They are ''S'' branded, accompanied by an ''S'' brand permit, and moved directly to a quarantined feedlot; or

(C) They are accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying ''S'' brand permit.

(3) *Movement other than in accordance with paragraphs* (d)(1) *or* (2) *of this section.* Such cattle may be moved interstate other than in accordance with paragraphs (d)(1) or (2) of this section only if such cattle originate in a certified brucellosis-free herd and are accompanied interstate by a certificate which states, in addition to the items specified in § 78.1 of this part, that the cattle originated in a certified brucellosis-free herd.

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[51 FR 32580, Sept. 12, 1986, as amended at 54 FR 1925, Jan. 18, 1989; 56 FR 54533, 54534, Oct. 22, 1991; 56 FR 58638, Nov. 21, 1991; 59 FR 67133, Dec. 29, 1994; 60 FR 48368, Sept. 19, 1995]

§ 78.10 Official vaccination of cattle moving into and out of Class B and Class C States or areas.

(a) Female dairy cattle born after January 1, 1984, which are 4 months of age or over must be official vaccinates to move interstate into or out of a Class B State or area[4] unless they are moved interstate directly to a recognized slaughtering establishment or quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment. Female cattle eligible for official calfhood vaccination and required by this paragraph to be officially vaccinated may be moved interstate from a farm of origin directly to a specifically approved stockyard and be officially vaccinated upon arrival at the specifically approved stockyard.

(b) Female cattle born after January 1, 1984, which are 4 months of age or over must be official vaccinates to move into a Class C State or area[4] unless they are moved interstate directly to a recognized slaughtering establishiment, or directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment. Female cattle eligible for official calfhood vaccination and required by this paragraph to be officially vaccinated may be moved interstate from a farm of origin directly to a specifically approved stockyard and be officially vaccinated upon arrival at the specifically approved stockyard.

(c) Female cattle born after January 1, 1984, which are 4 months of age or over must be official vaccinates to move interstate out of a Class C State or area[4] inder § 78.9(d)(3) of this part. Female cattle from a certified brucellosis–free herd that are eligible for official calfhood vaccination and required by this paragraph to be officially vaccinated may be moved interstate from a farm of origin directly to a specifically approved stockyard and be officially vaccinated upon arrival at the specifically approved stockyard.

[51 FR 32580, Sept. 12, 1986, as amended at 54 FR 1926, Jan. 18, 1989; 56 FR 58638, Nov. 21, 1991]

§ 78.11 Cattle moved to a specifically approved stockyard not in accordance with this part.

Cattle, except brucellosis reactors and brucellosis exposed cattle, which are moved interstate to a specifically approved stockyard but fail to comply with the requirements of this part for release from the specifically approved stockyard may be moved from the specifically approved stockyard only as follows:

(a) With the concurrence of the State animal health officials of the State of origin and State of destination, directly back to the farm of origin accompanied by a permit; or

(b) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment or directly to an approved intermediate handling facility and

[4] Female cattle imported into the United States may be exempted from the vaccination requirements of this paragraph with the concurrence of the State animal health official of the State of destination. This concurrence is required prior to the importation of the cattle into the United States.

then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment if such cattle are ''S'' branded and accompanied by an ''S'' brand permit; or

(c) Directly to a recognized slaughtering establishment if such cattle are

(1) ''S'' branded and accompanied by an ''S'' brand permit; or

(2) Accompanied by an ''S'' brand permit and moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, an accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

The official seal numbers must be recorded on the ''S'' brand permit; or

(d) Directly to a quarantined feedlot if such cattle are ''S'' branded and accompanied by an ''S'' brand permit.

(Approved by the Office of Management and Budget under control number 0579–0047)

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54534, Oct. 22, 1991; 56 FR 58638, 58639, Nov. 21, 1991]

§ 78.12 Cattle from quarantined areas.

Not withstanding any provisions in the regulations to the contrary, cattle may be moved interstate from a quarantined area only in accordance with § 78.10 and this section.

(a) *Steers and spayed heifers.* Steers and spayed heifers may be moved interstate without restriction under this section.

(b) *Brucellosis reactor cattle.* Brucellosis reactor cattle may be moved interstate in accordance with § 78.7.

(c) *Brucellosis exposed cattle.* Brucellosis exposed cattle may be moved interstate in accordance with § 78.8(a) or (b).

(d) *Movement from qualified herds.* Cattle from qualified herds in any quarantined area may be moved interstate only as follows:

(1) *Movement to recognized slaughtering establishments.* (i) Cattle from qualified herds in a quarantined area may be moved interstate from a farm of origin directly to a recognized slaughtering establishment or directly to a specifically approved stockyard and then directly to a recognized slaughtering establishment if they are negative to an official test within 30 days prior to such interstate movement and are accompanied by a certificate or ''S'' brand permit which states, in addition to the items specified in § 78.1, the test dates and results of the official tests; or

(ii) Cattle from qualified herds in a quarantined area may be moved interstate from a farm of origin directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment if they are negative to an official test within 30 days prior to such interstate movement and are accompanied by an ''S'' brand permit which states, in addition to the items specified in § 78.1, the test dates and results of the official tests; or

(iii) Cattle from qualified herds in a quarantined area may be moved interstate from a farm of origin directly to a specifically approved stockyard and then directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment or directly to an approved intermediate handling facility and then directly to a quarantined feedlot and then directly to a recognized slaughtering establishment if they are negative to an official test within 30 days prior to such interstate movement and are accompanied by a permit or ''S'' brand permit which states, in addition to the items specified in § 78.1, the test dates and results of the official tests; or

(iv) Cattle from qualified herds in a quarantined area may be moved interstate in accordance with § 78.8(a).

(2) *Movement to quarantined feedlots.* (i) Cattle from qualified herds in a quarantined area may be moved interstate from a farm of origin directly to a quarantined feedlot, or directly to a specifically approved stockyard and then directly to a quarantined feedlot, or directly to an approved intermediate handling facility and then directly to a quarantined feedlot if the cattle are negative to an official test within 30 days prior to such interstate movement and are accompanied by a certificate which states, in addition to the

items specified in § 78.1 of this part, the test dates and results of the official tests; or

(ii) Cattle from qualified herds in a quarantined area may be moved in accordance with § 78.8(b).

(3) *Movement other than in accordance with paragraph* (d)(1) *or* (2) *of this section.* Cattle from qualified herds in a quarantined area may be moved interstate other than in accordance with paragraph (d)(1) or (2) of this section, either directly from a farm of origin or from a farm of origin through no more than one specifically approved stockyard if

(i) The cattle, except official vaccinates less than 1 year of age and cattle less than 6 months of age, are negative to an official test within 30 days prior to such interstate movement; and

(ii) The cattle are accompanied interstate by a certificate which states, in addition to the items specified in § 78.1, the test dates and results of the official tests when such tests are required.

(e) *Movement from herds which are not qualified.* Cattle from herds known to be affected or from herds which are not qualified in any quarantined area may be moved interstate only in accordance with § 78.8(a) or (b).[5]

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 58638, Nov. 21, 1991; 59 FR 67133, Dec. 29, 1994]

§ 78.13 Other movements.

The Administrator may, upon request in specific cases, permit the interstate movement of cattle not otherwise provided for in this subpart, under such conditions as the Administrator may prescribe in each case to prevent the spread of brucellosis. The Administrator shall promptly notify the State animal health officials of the States involved of any such action.

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54534, Oct. 22, 1991]

[5]A herd which is not qualified in a quarantined area may become a qualified herd upon compliance with the provisions set forth in § 78.1 in the definition of ''qualified herd.''

§ 78.14 Rodeo bulls.

(a) A rodeo bull that is test-eligible and that is from a herd not known to be affected may be moved interstate if:

(1) The bull is classified as brucellosis negative based upon an official test conducted less than 365 days before the date of interstate movement;

(2) The bull is identified with an official eartag;

(3) There is no change of ownership since the date of the last official test;

(4) A certificate accompanies each interstate movement of the bull; and

(5) A permit for entry is issued for each interstate movement of the bull.

(b) A bull that would qualify as a rodeo bull, but that is used for breeding purposes during the 365 days following the date of being tested, may be moved interstate only if the bull meets the requirements for cattle in this subpart.

(Approved by the Office of Management and Budget under control number 0579–0047)

[56 FR 58639, Nov. 21, 1991]

§§ 78.15—78.19 [Reserved]

Subpart C—Restrictions on Interstate Movement of Bison Because of Brucellosis

§ 78.20 General restrictions.

Bison may not be moved interstate except in compliance with this subpart.

§ 78.21 Bison steers and spayed heifers.

Bison steers and spayed heifers may be moved interstate without restriction under this subpart.

§ 78.22 Brucellosis reactor bison.

(a) *Destination.* Brucellosis reactor bison may be moved interstate only for immediate slaughter as follows:

(1) Directly to a recognized slaughtering establishment;

(2) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment; or

(3) From a farm of origin directly to a specifically approved stockyard approved to receive brucellosis reactors and then

(i) Directly to a recognized slaughtering establishment; or

(ii) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment.

(b) *Identification.* Brucellosis reactor bison must be individually identified prior to moving interstate by attaching to the left ear a metal tag bearing a serial number and the inscription ''U.S. Reactor,'' or a metal tag bearing a serial number designated by the State animal health official for identifying brucellosis reactors, and must be:

(1) ''B'' branded (as defined in §78.1); or

(2) Accompanied directly to slaughter by an APHIS or State representative; or

(3) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative. The official seal numbers must be recorded on the accompanying permit.

(c) *Permit.* Brucellosis reactor bison moving interstate shall be accompanied to destination by a permit.

(d) *Marking of records.* Each person moving brucellosis reactor bison interstate shall, in the course of interstate movement, plainly write or stamp the words ''Brucellosis Reactor'' upon the face of any document that person prepares in connection with such movement.

(e) *Segregation en route.* Brucellosis reactor bison shall not be moved interstate in any means of conveyance containing animals which are not brucellosis reactors unless all of the animals are for immediate slaughter or unless the brucellosis reactor bison are kept separate from the other animals by a partition securely affixed to the sides of the means of conveyance.

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 32580, Sept. 12, 1986, as amended at 59 FR 67133, Dec. 29, 1994; 60 FR 48368, Sept. 19, 1995]

§ 78.23 Brucellosis exposed bison.

Brucellosis exposed bison may be moved interstate only as follows:

(a) *Movement to recognized slaughtering establishments.* Brucellosis exposed bison may be moved interstate for slaughter accompanied by a permit or ''S'' brand permit and as follows:

(1) Directly to a recognized slaughtering establishment or directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment; or

(2) From a farm of origin directly to a specifically approved stockyard approved to receive brucellosis exposed bison and then

(i) Directly to a recognized slaughtering establishment; or

(ii) Directly to an approved intermediate handling facility and then directly to a recognized slaughtering establishment.

(b) *Movement to quarantined feedlots.* Brucellosis exposed bison may be moved directly to a quarantined feedlot or, from a farm of origin, directly to a specifically approved stockyard approved to receive brucellosis exposed bison and then directly to a quarantined feedlot. Such bison shall be accompanied by a permit or ''S'' brand permit.

(c) *Movement other than in accordance with paragraphs (a) or (b) of this section.* Brucellosis exposed bison which are from herds known to be affected, but which are not part of a herd being depopulated under Part 51 of this chapter, may move without restriction if the bison:

(1) Are under 6 months of age and were weaned from brucellosis reactor or brucellosis exposed bison not less than 30 days immediately preceding interstate movement; or

(2) Are under 6 months of age and nursing brucellosis exposed bison in a herd subjected to a herd blood test within 10 days prior to interstate movement; or

(3) Are official vaccinates under 1 year of age from a herd following an approved individual herd plan.

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 32580, Sept. 12, 1986, as amended at 59 FR 67133, Dec. 29, 1994]

§ 78.24 Bison from herds not known to be affected.

Bison from herds not known to be affected may be moved interstate only as follows:

(a) *Movement to recognized slaughtering establishments.* Bison from herds not known to be affected may be moved directly to a recognized slaughtering establishment without restriction under this subpart.

(b) *Movement to quarantined feedlots.* Bison from herds not known to be affected may be moved directly to a quarantined feedlot without restriction under this subpart.

(c) *Movement from public zoo to public zoo.* Bison from herds not known to be affected may be moved from a zoo owned by a governmental agency to another such zoo if handled in accordance with § 78.3.

(d) *Movement other than in accordance with paragraphs (a), (b), or (c) of this section.* Bison from herds not known to be affected may be moved interstate other than in accordance with paragraphs (a), (b), or (c) of this section only as follows:

(1) Such bison under 6 months of age may be moved interstate when accompanied by a certificate.

(2) Such bison which are official vaccinates under 2 years of age and are not parturient or postparturient may be moved interstate when accompanied by a certificate.

(3) Such bison may be moved interstate if they are negative to an official test within 30 days prior to such movement and are accompanied by a certificate which states, in addition to the items specified in § 78.1, the dates and results of the official tests.

(4) Such bison may be moved interstate if they originate in a certified brucellosis-free herd and are accompanied by a certificate which states, in addition to the items specified in § 78.1, that the bison originated in a certified brucellosis-free herd.

(Approved by the Office of Management and Budget under control number 0579–0047)

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 58639, Nov. 21, 1991]

§ 78.25 Other movements.

The Administrator may, upon request in specific cases, permit the interstate movement of bison not otherwise provided for in this subpart, under such conditions as the Administrator may prescribe in each case to prevent the spread of brucellosis. The Administrator shall promptly notify the State animal health officials of the States involved of any such action.

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54534, Oct. 22, 1991]

§§ 78.26–78.29 [Reserved]

Subpart D—Restrictions on Interstate Movement of Swine Because of Brucellosis

§ 78.30 General restrictions.

(a) Brucellosis reactor swine, brucellosis exposed swine, feral swine, sows, and boars may not be moved interstate or in interstate commerce except in compliance with this subpart.

(b) Each person who causes the movement of swine in interstate commerce is responsible for the identification of the swine as required by this subpart. No such person shall remove or tamper with or cause the removal of or tampering with an identification tattoo or approved swine identification tag required in this subpart except at the time of slaughter, or as may be authorized by the Administrator upon request in specific cases and under such conditions as the Administrator may impose to ensure continuing identification.

(c)(1) Feral swine may be moved interstate directly to slaughter if they do not come into physical contact with any domestic swine or other livestock.

(2) Feral swine from monitored-negative populations may be moved interstate other than directly to slaughter if accompanied by a permit issued by the APHIS representative or the State animal health official in the State of origin.

(3) Feral swine found negative to an official test within the 30 days prior to the interstate movement may be moved interstate other than directly to slaughter if accompanied by a permit issued by the APHIS representative or the State animal health official in the State of origin.

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54534, Oct. 22, 1991; 59 FR 18952, Apr. 21, 1994]

§ 78.31 Brucellosis reactor swine.

(a) *Destination.* Brucellosis reactor swine may be moved interstate only for immediate slaughter as follows:

(1) Directly to a recognized slaughtering establishment; or

(2) Directly to a stockyard posted under the Packers and Stockyards Act, as amended (7 U.S.C. 181 *et seq.*), or directly to a market agency or dealer registered under the Packers and Stockyards Act, for sale to a recognized slaughtering eatablishment in accordance with the following requirements:

(b) *Identification.* Brucellosis reactor swine shall be individually identified by attaching to the left ear a metal tag bearing a serial number and the inscription, ''U.S. Reactor,'' or a metal tag bearing a serial number designated by the State animal health official for identifying brucellosis reactors.

(c) *Permit.* Brucellosis reactor swine shall be accompanied to destination by a permit.

(d) *Marking of records.* Each person moving brucellosis reactor swine interstate shall, in the course of interstate movement, plainly write or stamp the words ''Brucellosis Reactor'' upon the face of any document that person prepares in connection with such movement.

(e) *Segregation en route.* Brucellosis reactor swine shall not be moved interstate in any means of conveyance containing animals which are not brucellosis reactors unless all of the animals in the shipment are for immediate slaughter, or unless the brucellosis reactor swine are kept separate from other animals by a partition securely affixed to the sides of the means of conveyance.

(Approved by the Office of Management and Budget under control number 0579–0051)

[51 FR 32580, Sept. 12, 1986, as amended at 59 FR 67133, Dec. 29, 1994]

§ 78.32 Brucellosis exposed swine.

(a) Brucellosis exposed swine may be moved interstate only if accompanied by a permit and only for immediate slaughter as follows:

(1) Directly to a recognized slaughtering establishment; or

(2) Directly to a stockyard posted under the Packers and Stockyards Act, as amended (7 U.S.C. 181 *et seq.*), or directly to a market agency or dealer registered under the Packers and Stockyards Act, for sale to a recognized slaughtering establishment.

(b) Brucellosis exposed swine from a herd known to be affected with brucellosis may be moved interstate from the herd known to be affected only if such swine are individually identified by attaching to the left ear a metal tag bearing a serial number and the inscription, ''U.S. Reactor,'' or a metal tag bearing a serial number designated by the State animal health official for identifying brucellosis reactors.

(Approved by the Office of Management and Budget under control number 0579-0051)

[59 FR 12533, Mar. 17, 1994, as amended at 59 FR 67133, Dec. 29, 1994]

§ 78.33 Sows and boars.

(a) Sows and boars may be moved in interstate commerce for slaughter or for sale for slaughter if they are identified in accordance with §71.19 of this chapter either:

(1) Before being moved in interstate commerce and before being mixed with swine from any other source; or

(2) After being moved in interstate commerce but before being mixed with swine from any other source only if they have been moved directly from their herd of origin to:

(i) A recognized slaughtering establishment; or

(ii) A stockyard, market agency, or dealer operating under the Packers and Stockyards Act, as amended (7 U.S.C. 181 *et seq.*).

(b) Sows and boars may be moved in interstate commerce for breeding only if they are identified in accordance with §71.19 of this chapter before being moved in interstate commerce and before being mixed with swine from any other source, and the sows and boars either:

(1) Are from a validated brucellosis-free herd or a validated brucellosis-free State and are accompanied by a certificate that states, in addition to the items specified in §78.1, that the swine originated in a validated brucellosis-free herd or a validated brucellosis-free State; or

(2) Have tested negative to an official test conducted within 30 days prior to interstate movement and are accompanied by a certificate that states, in addition to the items specified in § 78.1, the dates and results of the official tests.

(c) Sows and boars may be moved in interstate commerce for purposes other than slaughter or breeding without restriction under this subpart if they are identified in accordance with § 71.19 of this chapter.

[62 FR 27936, May 22, 1997]

§ 78.34 Other movements.

The Administrator may, upon request in specific cases, permit the movement in interstate commerce of swine not otherwise provided for in this subpart under such conditions as the Administrator may prescribe in each case to prevent the spread of brucellosis. The Administrator shall promptly notify the State animal health officials of the States involved of any such action.

[51 FR 32580, Sept. 12, 1986, as amended at 56 FR 54534, Oct. 22, 1991]

§§ 78.35–78.39 [Reserved]

Subpart E—Designation of Brucellosis Areas

§ 78.40 Designation of States/areas.

The Administrator may amend §§ 78.41 and 78.42 to reclassify States and areas as Class Free, Class A, Class B, Class C, or quarantined when the Administrator determines that the States or areas meet the appropriate definitions in § 78.1. The Administrator may approve the division of a State into two brucellosis classification areas upon finding that: (a) The State has legislative and regulatory authority for maintaining separate areas; (b) The State has committed resources to enforcing the different requirements in each area; (c) The State has an effective method for monitoring and controlling movement of cattle across the intrastate boundary; (d) The State has defined the intrastate boundary by county lines or by recognizable geographic features, such as rivers and highways; and (e) Each area of the State meets the standards for the brucellosis classification requested. The Administrator may amend § 78.43 to reclassify States as validated brucellosis-free States or remove such status when the Administrator determines that such States meet or do not meet the standards of a validated brucellosis-free State as defined in § 78.1. In the case of any reclassification to a lower class, reclassification as a quarantined State or area, or removal of validated brucellosis-free status, the State animal health official of the State involved will be notified of such reclassification or removal, and will be given an opportunity to present objections and arguments to the Administrator prior to the reclassification or removal taking place.

[51 FR 32580, Sept. 12, 1986, as amended at 53 FR 2222, Jan. 27, 1988; 56 FR 54533, Oct. 22, 1991; 56 FR 55803, Oct. 30, 1991]

§ 78.41 State/area classification.

(a) *Class Free.* Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, Tennessee, Utah, Vermont, Virgin Islands, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

(b) *Class A.* Florida, Louisiana, Missouri, Oklahoma, South Dakota, and Texas.

(c) *Class B.* None.

[51 FR 32580, Sept. 12, 1986]

EDITORIAL NOTE: For Federal Register citations affecting § 78.41, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 78.42 Quarantined areas.

None.

§ 78.43 Validated brucellosis-free States.

Alabama, Alaska, Arizona, California, Colorado, Connecticut, Delaware, Georgia, Hawaii, Idaho, Illinois,

Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee, Utah, Vermont, Virgin Islands, Virginia, Washington, West Virginia, Wisconsin, Wyoming.

[53 FR 4382, Feb. 16, 1988; 53 FR 21979, June 13, 1988, as amended at 53 FR 24930, July 1, 1988; 53 FR 44180, Nov. 2, 1988; 55 FR 420, Jan. 5, 1990; 55 FR 7883, Mar. 6, 1990; 55 FR 41995, Oct. 17, 1990; 55 FR 42354, Oct. 19, 1990; 56 FR 2127, Jan. 22, 1991; 56 FR 46109, Sept. 10, 1991; 58 FR 11365, Feb. 25, 1993; 58 FR 28343, May 13, 1993; 58 FR 68506, Dec. 28, 1993; 60 FR 67321, Dec. 29, 1995; 63 FR 34267, June 24, 1998; 63 FR 44777, Aug. 21, 1998; 63 FR 53782, Oct. 7, 1998]

PART 79—SCRAPIE IN SHEEP AND GOATS

Sec.

79.1 Definitions.
79.2 General restrictions.
79.3 Designation of scrapie-positive animals, source flocks, and infected flocks; notice to owners; publication.

AUTHORITY: 21 U.S.C. 111–113, 115, 117, 120, 121, 123–126, 134b, and 134f; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 57 FR 33631, July 30, 1992, unless otherwise noted.

§ 79.1 Definitions.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with part 161 of this chapter to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, United States Department of Agriculture, or any employee of the United States Department of Agriculture authorized to act in his or her stead.

Animal. A sheep or goat.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Breed associations and registries. Organizations which maintain the permanent records of ancestry or pedigrees of animals (including the animal's sire and dam), individual identification of animals, and ownership of animals.

Exposed animal. Any animal which has been in the same flock at the same time within the previous 60 months as a scrapie-positive animal, excluding limited contacts. Limited contacts are contacts between animals that occur off the premises of the flock, and do not occur during or immediately after parturition for any of the animals involved. Limited contacts do not include commingling (when animals concurrently share the same pen or same section in a transportation unit where there is uninhibited physical contact).

Flock. All animals maintained on any single premises; and all animals under common ownership or supervision on two or more premises which are geographically separated, but among which there is an interchange or movement of animals.

Flock plan. A written flock management agreement designed by the owner of a flock, an accredited veterinarian, and a Veterinary Services representative or State representative in which each participant agrees to undertake actions specified in the flock plan to control the spread of scrapie from, and eradicate scrapie in, an infected flock, source flock, or trace flock. The flock plan shall require an epidemiologic investigation to identify high-risk animals that must be removed from the flock, and shall include other requirements found necessary by the APHIS representative or State representative to control scrapie in the flock. These other requirements may include, but are not limited to, cleaning and disinfection of flock premises, education of the owner of the flock and personnel working with the flock in techniques to recognize clinical signs of scrapie and control the spread of scrapie, and maintaining records of animals in the flock.

High-risk animal. An animal which is:

(1) The progeny of a scrapie-positive dam;

(2) Born in the same flock during the same lambing season as progeny of a scrapie-positive dam, unless the progeny of the scrapie-positive dam are from separate contemporary lambing groups (groups that are managed as separate units and are not commingled during lambing and for 60 days following the date the last lamb was born, and that do not use the same lambing facility unless the lambing facility is cleaned and disinfected between lambings by removing all organic matter and spraying the lambing facility with a 2 percent sodium hydroxide solution or 0.5 percent sodium hypochlorite solution); or

(3) Born during the same lambing season as a scrapie-positive ewe or ram in a source flock or trace flock.

Infected flock. Any flock in which an APHIS representative or a State representative has determined an animal to be a scrapie-positive animal after March 31, 1989. A flock will no longer be an infected flock after it has completed the requirements of a flock plan.

Permit. An official document (VS Form 1–27) issued by an APHIS representative that indicates the following: the shipper's or consignor's name and address; the consignee's name and address; the State where the permit was issued; points of origin and destination of the animals being moved interstate; purpose of the movement; number and species of animals covered by the permit; whether the animals are from an infected flock or a source flock; transportation vehicle license number or other identification number; and seal number.

Scrapie-positive animal. An animal for which a diagnosis of scrapie has been made by the National Veterinary Services Laboratories, United States Department of Agriculture, or another laboratory authorized by the Administrator to conduct scrapie tests in accordance with this part, through histological examination of central nervous system samples from the animal for microscopic lesions in the form of neuronal vacuoles or spongy degeneration, or by the use of protease-resistant protein analysis or other confirmatory techniques used in conjunction with histological examination.

Source flock. A flock in which an APHIS representative or a State representative has determined that at least two animals were born that were diagnosed as scrapie-positive animals at an age of 54 months or less. In order for the flock to be a source flock, the second scrapie-positive diagnosis must have been made within 60 months of the first scrapie-positive diagnosis and after March 31, 1989. A flock will no longer be a source flock after it has completed the requirements of a flock plan.

Source flock. A flock in which a Veterinary Services representative has determined that at least two animals, that were diagnosed as scrapie-positive animals at an age of 54 months or less, were born. In order to be a source flock, the second scrapie-positive diagnosis must be made within 60 months of the first scrapie-positive diagnosis. A flock will no longer be considered a source flock after it has completed the requirements of a flock plan.

State. Each of the 50 States, the District of Columbia, the Northern Mariana Islands, Puerto Rico, and all territories or possessions of the United States.

State representative. An individual employed in animal health activities by a State or political subdivision of a State, and who is authorized by the State or political subdivision to perform the function involved.

Trace flock. A flock in which an APHIS representative or a State representative has determined that one animal was born that was diagnosed as a scrapie-positive animal at an age of 54 months or less. In order for the flock to be a trace flock, the scrapie-positive diagnosis must have been made after March 31, 1989. A flock will no longer be a trace flock after it has completed the requirements of a flock plan.

(Approved by the Office of Management and Budget under control number 0579–0101)

[57 FR 33631, July 30, 1992, as amended at 59 FR 21921, Apr. 28, 1994]

§ 79.2 General restrictions.

(a) Except as provided in paragraphs (a)(1) and (a)(2) of this section, no scrapie-positive animal, animal from

an infected flock, or animal from a source flock may be moved interstate, unless the animal has been permanently identified with an indelible mark in the form of the letter ''S,'' at least 1″ by 1″, applied on the left jaw.

(1) Animals less than 1 year of age may be moved interstate to slaughter from an infected flock or a source flock if the animals are moved in a means of conveyance sealed by an APHIS representative and are accompanied by a permit.

(2) High-risk animals less than 1 year of age moving in slaughter channels and animals other than high-risk animals may be moved interstate if the animals are from infected flocks or source flocks meeting the following conditions:[1]

(i) The owner of the flock or his or her agent has signed an agreement with the Administrator in which the owner of the flock or his or her agent agrees to comply with the requirements of this section until the time the flock is no longer an infected flock or source flock.

(ii) The owner of the flock or his or her agent shall immediately report to a State representative, APHIS representative, or an accredited veterinarian any animals in the flock exhibiting the following: weight loss despite retention of appetite; behavioral abnormalities; pruritus (itching); wool pulling; biting at legs or side; lip smacking; motor abnormalities such as incoordination, high stepping gait of forelimbs, bunny hop movement of rear legs, swaying of back end; increased sensitivity to noise and sudden movement; tremor, ''star gazing'', head pressing, recumbency, or other signs of neurological disease or chronic wasting illness. Such animals must not be removed from the flock without written permission of an APHIS representative or State representative.

(iii) The owner of the flock or his or her agent shall identify all animals 1 year of age or over within the flock. All animals less than 1 year of age will be identified when a change of ownership occurs, with the exception of those moving within slaughter channels. The form of identification shall be an electronic implant, flank tattoo, or ear tattoo, providing a unique identification number that may be applied by the owner of the flock or his or her agent in accordance with instructions by an APHIS representative, State representative, or an accredited veterinarian.

(iv) The owner of the flock or his or her agent shall maintain, and keep for a minimum of 5 years after an animal dies or is otherwise removed from a flock, the following records for each animal in the flock: The animal's individual identification number from its electronic implant, flank tattoo, or ear tattoo, and any secondary form of identification the owner of the flock may choose to maintain; sex; breed; date of acquisition and source (previous flock), if the animal was not born in the flock; and disposition, including the date and cause of death, if known, or date of removal from the flock.

(v) The owner of the flock or his or her agent shall allow breed associations and registries, livestock markets, and packers to disclose records to APHIS representatives or State representatives, to be used to trace source flocks and exposed animals.

(vi) The owner of the flock or his or her agent shall make animals in the flock and records required to be kept under paragraph (a)(2)(iv) of this section available for inspection by APHIS representatives and State representatives, given reasonable prior notice.

(vii) Upon request of an APHIS representative, the owner of the flock or his or her agent will have an accredited veterinarian collect and submit tissues from animals reported in accordance with paragraph (a)(2)(ii) of this section to a laboratory designated by an APHIS representative.

[1] Owners of flocks participating in the Voluntary Scrapie Flock Certification Program described in 9 CFR part 54 agree to follow the ''Uniform Methods and Rules—Voluntary Scrapie Flock Certification'' (the UM&R), which include, among other requirements, the conditions in this section. Individual copies of the UM&R may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231; or from the American Sheep Industry Association, Producer Services, 6911 S. Yosemite Street, Englewood, CO 80112–1414, telephone (303) 771–3500.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0101)

[57 FR 33631, July 30, 1992, as amended at 59 FR 21921, Apr. 28, 1994; 59 FR 67613, Dec. 30, 1994]

§ 79.3 Designation of scrapie-positive animals, source flocks, and infected flocks; notice to owners; publication.

(a) An APHIS representative or State representative will determine an animal to be a scrapie-positive animal after determining that the animal has been diagnosed with scrapie in accordance with the definition of a scrapie-positive animal in § 79.1 of this part. An APHIS representative or State representative will determine a flock to be a source flock after reviewing sale, movement, and breeding records that indicate the flock meets the definition of a source flock. An APHIS representative or State representative will determine a flock to be an infected flock after determining that a scrapie-positive animal is in the flock.

(b) As soon as possible after making such a determination, an APHIS representative or State representative will attempt to notify the owner of the flock in writing that the flock contained a scrapie-positive animal, or is an infected flock, or source flock.[2] The notice will include a description of the interstate movement restrictions and identification requirements contained in this part.

(Approved by the Office of Management and Budget under control number 0579–0101)

[57 FR 33631, July 30, 1992, as amended at 59 FR 21922, Apr. 28, 1994; 59 FR 67613, Dec. 30, 1994]

[2] A current list of flocks determined to be infected flocks or source flocks will be published in the FEDERAL REGISTER from time to time. This list may also be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

PART 80—PARATUBERCULOSIS IN DOMESTIC ANIMALS

Sec.

80.1 Definitions.
80.2 Notice relating to existence of paratuberculosis.
80.3 General restrictions.
80.4 Movement of paratuberculosis reactors.
80.5 Reshipment of purebred paratuberculosis reactors.
80.6 Marking of records.
80.7 Cleaning and disinfecting vehicles.
80.8 Segregation of paratuberculosis reactors en route interstate.
80.9 Certificates pertaining to movement of animals.

AUTHORITY: 21 U.S.C. 111–113, 114a–1, 115, 117, 120, 121, and 125; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5961, June 13, 1963, unless otherwise noted.

§ 80.1 Definitions.

As used in this part, the following terms shall have the meanings set forth in this section except as otherwise clearly indicated.

(a) *Paratuberculosis.* The infectious and communicable disease of domestic animals commonly known as Johne's disease and paratuberculosis.

(b) *State.* Any State, Territory, the District of Columbia, or Puerto Rico.

(c) *Interstate.* From one State into or through any other State.

(d) *Person.* Any person, company, or corporation.

(e) *Moved.* Shipped, transported or otherwise moved, or delivered or received for movement, by any person.

(f) [Reserved]

(g) *Federal inspector.* An inspector of the Animal and Plant Health Inspection Service, United States Department of Agriculture, responsible for the performance of the function involved.

(h) *State inspector.* An inspector regularly employed in livestock sanitary work of a State or political subdivision thereof, and who is authorized by such State or political subdivision to perform the function involved.

(i) *Accredited veterinarian.* A veterinarian approved by the United States

Department of Agriculture to perform the function involved.

(j) *Specifically approved stockyard.*[1] Premises where cattle or bison are assembled for sale or sale purposes and which meet the standards set forth in § 71.20 of this chapter and are approved by the Deputy Administrator.

[28 FR 5961, June 13, 1963, as amended at 29 FR 14490, Oct. 22, 1964; 38 FR 18012, July 6, 1973; 51 FR 32600, Sept. 12, 1986; 62 FR 27937, May 22, 1997]

§ 80.2 Notice relating to existence of paratuberculosis.

On June 5, 1952, the Secretary of Agriculture issued a notice that the contagion of paratuberculosis exists in domestic animals in Puerto Rico and in each State of the Continental United States except Arizona, Maine, New Hampshire, Rhode Island, Utah, and Wyoming (17 FR 5260).

§ 80.3 General restrictions.

Domestic animals affected with paratuberculosis may not be moved interstate except in compliance with the regulations in this part.

§ 80.4 Movement of paratuberculosis reactors.

Domestic animals which have reacted to a test recognized by the Secretary of Agriculture for paratuberculosis may be moved interstate under this part for immediate slaughter direct to a recognized slaughtering establishment as defined in § 78.1 of this chapter, or to a specifically approved stockyard for sale to such a slaughtering establishment, in accordance with the following requirements;

(a) Cattle and other domestic animals that have reacted to such a test must be individually identified by attaching to the left ear an approved metal eartag bearing a serial number and the inscription ''U.S. Reactor'', or a similar State reactor tag. Cattle must also be:

(1) Branded with the letter ''J,'' at least 5 by 5 centimeters (2 by 2 inches) in size, high on the left hip near the tailhead; or

(2) Accompanied directly to slaughter by an APHIS or State representative; or

(3) Moved in vehicles closed with official seals applied and removed by an APHIS representative, State representative, accredited veterinarian, or an individual authorized for this purpose by an APHIS representative.

(b) The reactors shall be accompanied to destination, in accordance with § 80.9, by a certificate issued by a Federal or State inspector or an accredited veterinarian showing: (1) That the animals have reacted to a test recognized by the Secretary of Agriculture for paratuberculosis; (2) the reactor tag number for each animal and the name of the owner of such animal when it was tested for paratuberculosis; (3) that the animals may be moved interstate; (4) the destination to which they are to be moved; and (5) the purpose for which they are moved.

[28 FR 5961, June 13, 1963, as amended at 38 FR 18012, July 6, 1973; 51 FR 32600, Sept. 12, 1986; 60 FR 48368, Sept. 19, 1995]

§ 80.5 Reshipment of purebred paratuberculosis reactors.

Purebred animals which have been moved interstate for breeding purposes, and which, subsequent to such movement, have reacted to a test recognized by the Secretary of Agriculture for paratuberculosis, may be reshipped interstate under this part for purposes other than immediate slaughter in accordance with the requirements set forth in paragraphs (a) and (b) of § 80.4 and with the following additional requirements:

(a) The reactors shall be returned to the point of origin, consigned to the original owner.

(b) Test charts for the original test and any subsequent retest, showing that such tests were properly conducted, shall be submitted for examination to the person who issues the certificate required by § 80.4(b).

(c) The reactors shall not be shipped to any State without specific provision by the appropriate livestock sanitary

[1] Notices containing lists of specifically approved stockyards are published in the FEDERAL REGISTER. Lists of specifically approved stockyards also may be obtained from the State animal health official, State representatives, or Veterinary Services representatives.

official thereof for the segregation or quarantine of such reactors until their death by slaughter or from natural causes.

(d) The reactors, after return to the point of origin, shall not again be moved interstate except for immediate slaughter in accordance with the provisions of § 80.4.

§ 80.6 Marking of records.

Each transportation agency moving paratuberculosis reactors in the course of their interstate movement shall plainly write or stamp upon the face of each waybill, conductor's manifest, switch order, vehicle interchange record, and similar record, which it prepares in connection with such movement, the words ''Paratuberculosis Reactors'' and a statement to the effect that the railroad car, boat, truck or vehicle, in which the animals are transported is to be cleaned and disinfected.

§ 80.7 Cleaning and disinfecting vehicles.

(a) Each railroad car, boat, truck, or other vehicle, in which paratuberculosis reactors are transported interstate shall be cleaned and disinfected in accordance with the provisions of §§ 71.6, 71.7, 71.10, and 71.11 of this subchapter: *Provided, however,* That such vehicles may be cleaned and disinfected under the supervision of a Federal or State inspector or an accredited veterinarian: *And provided, further,* That if such supervision or proper cleaning and disinfection facilities are not available at the point where the animals are unloaded, upon permission first secured from the Veterinary Services unit of the Animal and Plant Health Inspection Service, United States Department of Agriculture, the vehicle may be forwarded empty to a point at which such supervision and facilities are available and there be cleaned and disinfected.

(b) Each railroad car, boat, truck, or other vehicle, from which paratuberculosis reactors moved interstate are transferred en route to destination, shall be cleaned and disinfected, by the transportation agency delivering the vehicle to such point of transfer, under the supervision of a Federal or State inspector or an accredited veterinarian, immediately after unloading of the animals and before being moved from such point of transfer, in accordance with the provisions of §§ 71.6, 71.7, 71.10, and 71.11 of this subchapter: *Provided, however,* That if such supervision or proper cleaning and disinfection facilities are not available at such point of transfer, upon having first secured permission from Veterinary Services, the vehicle may be forwarded empty to a point at which such supervision and facilities are available and there be cleaned and disinfected.

(23 Stat. 31, 33; 41 Stat. 699; sec. 2, 65 Stat. 693; sec. 3, 32 Stat. 791, 792; secs. 1, 2, and 4, 33 Stat. 1264; secs. 3, and 11, 76 Stat. 130 and 132; 21 U.S.C. 116, 122–4, 126, 134b, 134f)

[28 FR 5961, June 13, 1963, as amended at 36 FR 24112, Dec. 21, 1971]

§ 80.8 Segregation of paratuberculosis reactors en route interstate.

Paratuberculosis reactors shall not be moved interstate in a railroad car, boat, truck, or other vehicle, containing healthy animals susceptible to paratuberculosis unless all of the animals are for immediate slaughter, or unless the reactors are kept separate from the other animals by a partition securely affixed to the sides of the vehicle.

§ 80.9 Certificates pertaining to movement of animals.

(a) Whenever the regulations in this part require a certificate in connection with the movement of animals and the animals are moved by a transportation agency issuing waybills or other forms of billing covering the movement, the certificate shall be delivered to such transportation agency by the shipper at the time the animals are delivered for shipment; shall become the property of the transportation agency; shall be attached to the billing by the transportation agency; shall accompany such billing to the destination of the animals; and shall be filed with such billing for future reference.

(b) Whenever the regulations in this part require a certificate in connection with the movement of animals and the animals are moved by a transportation agency not issuing waybills or other forms of billing, or moved by any other

means, the certificate shall accompany the animals to their destination and be delivered to the consignee, or, in case the consignor and consignee are the same person, to the first person purchasing during or after such movement, or to the person to whom the animals are delivered.

PART 82—EXOTIC NEWCASTLE DISEASE (END) AND CHLAMYDIOSIS; POULTRY DISEASE CAUSED BY SALMONELLA ENTERITIDIS SEROTYPE ENTERITIDIS

Subpart A—Exotic Newcastle Disease (END)

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AUTHORITY: 21 U.S.C. 111–113, 115, 117, 120, 123–126, 134a, 134b, and 134f; 7 CFR 2.18, 2.22, 2.53, 2.80, and 371.2(d).

SOURCE: 61 FR 56883, Nov. 5, 1996, unless otherwise noted.

Subpart A—Exotic Newcastle Disease (END)

§ 82.1 Definitions.

As used in connection with this subpart, the following terms shall have the meaning set forth in this section.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any individual authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Bird. Any member of the class *aves* other than poultry.

Dressed carcasses. Carcasses of birds or poultry that have been eviscerated, with heads and feet removed.

END. Any velogenic Newcastle disease. END is an acute, rapidly spreading, and usually fatal viral disease of birds and poultry.

Exposed. At risk of developing END because of association with birds or poultry infected with END, excrement from birds or poultry infected with END, or other material touched by birds or poultry infected with END, or because there is reason to believe that association has occurred with END or

vectors of END, as determined by either a Federal veterinarian or a State veterinarian.

Federal representative. An individual employed and authorized by the Federal government to perform the tasks required by this subpart.

Federal veterinarian. A veterinarian employed and authorized by the Federal government to perform the tasks required by this subpart.

Hatching eggs. Eggs in which birds or poultry are allowed to develop.

Infected. Affected by the virus or bacterium that causes the specified disease.

Interstate. From one State into or through any other State.

Known to be exposed. Determined by either a Federal veterinarian or a State veterinarian to be at risk of developing END because of association with birds or poultry infected with END, excrement from birds or poultry infected with END, or other material touched by birds or poultry infected with END, or because there is reason to believe that association has occurred with END or vectors of END, as determined by either a Federal veterinarian or a State veterinarian.

Known to be infected. Determined by either a Federal veterinarian or a State veterinarian to be affected by the virus or bacterium that causes the specified disease.

Litter. Material that is used to collect and absorb bodily wastes from birds or poultry.

Moved. Shipped, transported or otherwise moved, or delivered or received for movement, by any person.

Official seal. A serially numbered metal or plastic strip, consisting of a self-locking device on one end and a slot on the other end, that forms a loop when the ends are engaged and that cannot be reused if opened, or a serially numbered, self-locking button that can be used for this purpose.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other legal entity.

Pet bird. Any bird that is kept for personal pleasure and is not for sale.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys.

Recognized slaughtering establishment. Any slaughtering facility operating under the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*), the Poultry Products Inspection Act (21 U.S.C. 451 *et seq.*), or State meat or poultry inspection acts.

Render. Reduce, convert, or melt down by heating to a temperature of at least 230 °F so that oil is removed.

State. Each of the States of the United States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, Guam, the Virgin Islands of the United States, or any other territory or possession of the United States.

State animal health official. The State official responsible for livestock- and poultry-disease control and eradication programs.

State representative. An individual employed in animal health work and authorized by a State or political subdivision of a State to perform the tasks required by this subpart.

State veterinarian. A veterinarian employed and authorized by a State or political subdivision of a State to perform the tasks required by this subpart.

Veterinarian in charge. A Federal veterinarian employed by the Animal and Plant Health Inspection Service and authorized by the Administrator to supervise and manage the animal health work of the Animal and Plant Health Inspection Service in a specified area of the United States.

§ 82.2 Criteria for determining birds or poultry to be infected with, exposed to, or free from END.

(a) The determination that birds or poultry are infected with END must be made by either a Federal veterinarian or a State veterinarian.[1] They will base that determination on one or more of the following factors: clinical evidence

[1] The location of Federal veterinarians and State veterinarians may be obtained by writing to Emergency Programs, Veterinary Services, Animal and Plant Health Inspection Service, 4700 River Road, Unit 41, Riverdale, MD 20737–1231, or by referring to the local telephone book.

(signs, post-mortem lesions, and history of the occurrence of END); diagnostic tests;[2] or epidemiological evidence (evaluation of clinical evidence and the degree of risk posed by the potential spread of END based on population and exposure factors, including evaluation of whether the birds and poultry have had the opportunity to be in contact with birds or poultry infected with END or with excrement from birds or poultry infected with END, or if the birds and poultry have shared feed or water with birds or poultry infected with END).

(b) The determination that birds or poultry are exposed to END must be made by either a Federal veterinarian or a State veterinarian. They will base that determination on an evaluation of all related circumstances, including: the proximity of the birds or poultry to birds or poultry infected with END, to excrement from birds or poultry infected with END, and to other material touched by birds or poultry infected with END; the number of birds or poultry infected with END to which the birds or poultry were exposed; the species involved; the virulence of the END to which the birds or poultry were exposed; and the length of time the birds or poultry were in contact with birds or poultry infected with END, and to material touched by birds or poultry infected with END. Birds or poultry determined to be exposed to END will continue to be treated as exposed unless they are subsequently determined to be infected with END or until either a Federal veterinarian or a State veterinarian finds them to be free of END based on one or more of the factors listed in paragraph (a) of this section.

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[2] A copy of the protocols for END diagnostic tests may be obtained by writing to Emergency Programs, Veterinary Services, Animal and Plant Health Inspection Service, 4700 River Road Unit 41, Riverdale, MD 20737–1231. The protocols are also found in ''Recommended Uniform Diagnostic Procedures,'' published by the Committee of the American Association of Veterinary Laboratory Diagnosticians.

§ 82.3 Quarantined areas.

(a) Any area where birds or poultry infected with END are located will be designated as a quarantined area. A quarantined area is any geographical area, which may be a premises or all or part of a State, deemed by epidemiological evaluation to be sufficient to contain all birds or poultry known to be infected with or exposed to END. Less than an entire State will be designated as a quarantined area only if the State enforces restrictions on intrastate movements from the quarantined area that are at least as stringent as this subpart.

(b) Any area designated as a quarantined area because of END will remain designated as a quarantined area until all of the requirements of § 82.14 have been met.

(c) The following areas are quarantined because of END: (Currently, no areas are quarantined because of END.)

§ 82.4 General provisions.

(a) *Prohibitions.* The following articles may not be moved interstate from a quarantined area:

(1) Dead birds and dead poultry, including any parts of the birds or poultry, that are infected with END, or are from a flock of birds or poultry infected with END;

(2) Litter used by or manure generated by birds or poultry, or a flock of birds or poultry, infected with END;

(3) Any eggs from birds or poultry, or a flock of birds or poultry, infected with END;

(4) Hatching eggs from flocks of birds or poultry exposed to END; and

(5) Live birds or live poultry from flocks infected with or exposed to END.

(b) *Restrictions.* The following articles may be moved interstate from a quarantined area only in accordance with this subpart:

(1) Live birds or live poultry not known to be infected with or exposed to END;

(2) Dressed carcasses of birds and poultry, and other dead birds and dead poultry, including any parts of the birds or poultry, that are not known to be infected with END;

(3) Litter used by or manure generated by birds or poultry not known to be infected with END;

(4) Eggs, other than hatching eggs, from birds or poultry from flocks not known to be infected with END;

(5) Hatching eggs from birds or poultry not known to be infected with or exposed to END; and

(6) Cages, coops, containers, troughs, vehicles, or other equipment used for birds, poultry, eggs, manure, or litter.

(c) *Exceptions.* This subpart does not apply to the interstate movement of birds, poultry, or other articles from a quarantined area if the interstate movement is made by the United States Department of Agriculture for purposes of research or diagnosis.

§ 82.5 Interstate movement of live birds and live poultry from a quarantined area.

(a) *Pet birds.* An individual may move his or her pet birds interstate from a quarantined area if the birds are not known to be infected with or exposed to END and:

(1) The birds are accompanied by a permit obtained in accordance with § 82.11;

(2) Epidemiological evidence, as described in § 82.2(a), indicates that the birds are not infected with any communicable disease;

(3) The birds show no clinical signs of sickness (such as diarrhea, nasal discharge, ocular discharge, ruffled feathers, or lack of appetite) during the 90 days before interstate movement;

(4) The birds have been maintained apart from other birds and poultry in the quarantined area during the 90 days before interstate movement;

(5) The birds have been under the ownership and control of the individual to whom the permit is issued for the 90 days before interstate movement;

(6) The birds are moved interstate by the individual to whom the permit is issued;

(7) The birds are caged while being moved interstate;

(8) The individual to whom the permit is issued maintains ownership and control of the birds and maintains them apart from other birds and poultry from the time they arrive at the place to which the individual is taking them until a Federal representative or State representative[3] examines the birds and determines that the birds show no clinical signs of END. The examination will not be less than 30 days after the interstate movement;

(9) The individual to whom the permit is issued allows Federal representatives and State representatives to examine the birds at any time until they are declared free of END by either a Federal veterinarian or a State veterinarian;

(10) Within 24 hours of a bird's dying or showing clinical signs of sickness (such as diarrhea, nasal discharge, ocular discharge, ruffled feathers, or lack of appetite), the individual to whom the permit is issued notifies the veterinarian in charge or the State animal health official[4] in the State to which the birds are moved; and

(11) The individual to whom the permit is issued submits copies of the permit so that a copy is received by the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the birds at the destination listed on the permit.

(b) *Other birds and poultry.* Except as provided for pet birds in paragraph (a) of this section, a person may move live birds and live poultry that are not known to be infected with or exposed to END interstate from a quarantined area only if:

(1) The birds and poultry are accompanied by a permit obtained in accordance with § 82.11;

(2) The birds or poultry are covered in such a way as to prevent feathers and other debris from blowing or falling off the means of conveyance;

(3) The birds or poultry are moved in a means of conveyance either under official seal or are accompanied by a Federal representative;

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[3] The location of Federal representatives and State representatives may be obtained by writing to Emergency Programs, Veterinary Services, Animal and Plant Health Inspection Service, 4700 River Road Unit 41, Riverdale, MD 20737–1231.

[4] The location of the veterinarian in charge or the State animal health official may be obtained by writing to Emergency Programs, Veterinary Services, Animal and Plant Health Inspection Service, 4700 River Road Unit 41, Riverdale, MD 203/737–1231, or by referring to the local telephone book.

(4) Except for emergencies, the birds or poultry are not unloaded until their arrival at the destination listed on the permit required by paragraph (b)(1) of this section;

(5) If poultry, the poultry are moved interstate to a recognized slaughtering establishment[5] and are slaughtered within 24 hours of arrival at the recognized slaughtering establishment;

(6) If birds other than poultry, the birds are moved to a site approved by the Administrator; and

(7) The permit required by paragraph (b)(1) of this section is presented upon arrival at the recognized slaughtering establishment or approved site to a State representative or Federal representative. Copies of the permit must also be submitted so that a copy is received by the State animal health official and the veterinarian in charge for the State of destination within 72 hours of arrival at the recognized slaughtering establishment.

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§ 82.6 Interstate movement of dead birds and dead poultry from a quarantined area.

(a) Except as provided in paragraph (b) of this section for dressed carcasses, dead birds and dead poultry, including any parts of the birds and poultry, that are not known to be infected with END may be moved interstate from a quarantined area only if:

(1) The dead birds and dead poultry are accompanied by a permit obtained in accordance with § 82.11;

(2) The dead birds and dead poultry are covered in such a way as to prevent feathers and other debris from blowing or falling off the means of conveyance;

(3) The dead birds and dead poultry are moved in a means of conveyance either under official seal or accompanied by a Federal representative;

(4) The dead birds and dead poultry are not unloaded until their arrival at the destination listed on the permit required by paragraph (a)(1) of this section;

(5) The dead birds and dead poultry are moved, without stopping, to the destination listed on the permit required by paragraph (a)(1) of this section, except for normal traffic conditions, such as traffic lights and stop signs;

(6) The dead birds and dead poultry are disposed of, within 24 hours after being loaded for interstate movement, by burial or composting in accordance with the procedures set forth in § 82.14(c)(1) and (c)(2), or by rendering, incineration, or other means approved by the Administrator as being adequate to prevent the dissemination of END; and

(7) Copies of the permit accompanying the dead birds and dead poultry interstate are submitted so that a copy is received by the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the dead birds and dead poultry at the destination listed on the permit required by paragraph (a)(1) of this section.

(b) Dressed carcasses from birds and poultry that are not known to be infected with END may be moved interstate from a quarantined area only if:

(1) The dressed carcasses are from birds or poultry that were slaughtered in a recognized slaughtering establishment;[6]

(2) The dressed carcasses are accompanied by a permit obtained in accordance with § 82.11;

(3) The dressed carcasses are moved in a means of conveyance either under official seal or accompanied by a Federal representative;

(4) The dressed carcasses are not unloaded until their arrival at the destination listed on the permit required by paragraph (b)(2) of this section;

(5) The dressed carcasses are moved, without stopping, to the destination listed on the permit required by paragraph (b)(2) of this section, except for normal traffic conditions, such as traffic lights and stop signs; and

(6) Copies of the permit accompanying the dressed carcasses interstate are submitted so that a copy is received by the State animal health official and the veterinarian in charge

[5] A list of recognized slaughtering establishments in any State may be obtained from a Federal representative, the State animal health official, or a State representative.

[6] See footnote 5 to § 82.5.

for the State of destination within 72 hours of the arrival of the dressed carcasses at the destination listed on the permit required by paragraph (b)(2) of this section.

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§ 82.7 Interstate movement of manure and litter from a quarantined area.

Manure generated by and litter used by birds or poultry not known to be infected with END may be moved interstate from a quarantined area only if:

(a) The manure and litter is accompanied by a permit obtained in accordance with § 82.11;

(b) The manure and litter has been heated throughout, in the quarantined area, to a temperature of not less than 175 °F (79.4 °C), and then placed either in a previously unused container or in a container that has been cleaned and disinfected, since last being used, in accordance with part 71 of this chapter;

(c) The declaration or affidavit required by § 82.11(b) lists the location of the poultry or birds that generated the manure or used the litter, and the name and address of the owner of the poultry or birds that generated the manure or used the litter; and

(d) Copies of the permit accompanying the manure and litter interstate are submitted so that a copy is received by the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the manure and litter at the destination listed on the permit.

§ 82.8 Interstate movement of eggs, other than hatching eggs, from a quarantined area.

(a) Eggs, other than hatching eggs, from birds or poultry from flocks not known to be infected with END may be moved interstate from a quarantined area only if:

(1) The eggs are accompanied by a permit obtained in accordance with § 82.11;

(2) The eggs have been cleaned and sanitized in accordance with 7 CFR part 59;

(3) The eggs are packed either in previously unused flats or cases or in used plastic flats or cases that were cleaned and disinfected, since last being used, in accordance with part 71 of this chapter;

(4) The eggs are moved to a facility where they are examined to ensure they have been cleaned and sanitized in accordance with paragraph (a)(2) of this section; and

(5) Copies of the permit accompanying the eggs interstate are submitted so that a copy is received by both the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the eggs at the facility.

(b) Any flats or cases intended for reuse after being used to move eggs interstate to a facility under this section must be cleaned and disinfected in accordance with part 71 of this chapter before being moved to a premises where birds or poultry are kept.

§ 82.9 Interstate movement of hatching eggs from a quarantined area.

Hatching eggs from birds or poultry not known to be infected with or exposed to END may be moved interstate from a quarantined area only if:

(a) The hatching eggs are accompanied by a permit obtained in accordance with § 82.11;

(b) Copies of the permit accompanying the hatching eggs are submitted so that a copy is received by both the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the hatching eggs at the premises described in paragraph (c) of this section; and

(c) The hatching eggs are held in the State of destination at a premises designated jointly by the veterinarian in charge and the State animal health official from the time of arrival until hatch and the birds and poultry hatched from the eggs are held at the designated premises for not less than 30 days following hatch. During this holding period, the eggs and any birds or poultry hatched from the eggs are subject to any inspections, disinfections, and tests as may be required by the Administrator to determine their freedom from END.

§ 82.10 Interstate movement of vehicles, cages, coops, containers, troughs, and other equipment from a quarantined area.

(a) This section does not apply to cages, coops, or other containers or equipment used by or to move pet birds moved interstate in accordance with § 82.5(a).

(b) Vehicles, cages, coops, containers, troughs, and other equipment that have held or that have otherwise been used in a quarantined area in the handling of birds or poultry or their eggs, or for manure generated by or litter used by the birds or poultry, may be moved interstate from a quarantined area only in accordance with the following conditions:

(1) They are made of hard plastic or metal, and the other conditions of this section are met; or

(2) They are made of a disposable material, such as cardboard, fiber, or waxed cardboard, are previously unused, and are disposed of by incineration without being reused after being moved interstate.

(c) Before moving interstate any vehicles, cages, coops, containers, troughs, or other equipment described in paragraph (b)(1) of this section, and after using these items to move birds, poultry, eggs, manure, or litter interstate from a quarantined area, the vehicles, cages, coops, containers, troughs, and other equipment must be cleaned and disinfected in accordance with paragraphs (c)(1) through (c)(5) of this section:

(1) Clean and disinfect the vehicles, cages, coops, containers, troughs, and other equipment at the place where the birds, poultry, eggs, manure, and litter are unloaded or where the equipment is used, no more than 2 hours after the birds, poultry, eggs, manure, and litter are unloaded or the equipment is used;

(2) Clean the items in accordance with part 71 of this chapter;

(3) Have a Federal representative or State representative[7] inspect the items after they have been cleaned;

(4) Disinfect the items in the presence of a Federal representative or State representative; and

(5) Disinfect the items in accordance with part 71 of this chapter and by using a disinfectant as specified in part 71 of this chapter.

(d) If the place where the cleaning and disinfection would otherwise be required has no facilities for cleaning and disinfecting, the items may be moved to a place where facilities are available for cleaning and disinfecting, provided a Federal representative or State representative has determined that such movement will not cause a risk of the spread of END.

(e) Vehicles, cages, coops, containers, troughs, and other equipment that are moved interstate under this section must be accompanied by a permit obtained in accordance with § 82.11, and copies of the permit accompanying the vehicles, cages, coops, containers, troughs, and other equipment interstate must be submitted so that a copy is received by the State animal health official and the veterinarian in charge[8] for the State of destination within 72 hours of the arrival of the vehicles, cages, coops, containers, troughs, and other equipment at the destination listed on the permit.

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§ 82.11 Issuance of permits.

(a) Application for the permits required by this subpart to move interstate from a quarantined area birds, eggs, poultry, or other items requiring a permit under this part must be in writing. The application must be submitted to a Federal representative or State representative and must include the following:

(1) The applicant's name and mailing address;

(2) The name and mailing address of the person who will receive the birds, eggs, poultry, or other items;

(3) The addresses of both the origin and destination of the birds, eggs, poultry, or other items;

(4) The number and types of birds, poultry, eggs, and other items intended for interstate movement; and

(5) The reason for the interstate movement.

[7] See footnote 3 to § 82.5.

[8] See footnote 4 of § 82.5.

(b) In addition to the information required by paragraph (a) of this section, to obtain permits to move birds, poultry, eggs, manure, litter, cages, coops, containers, troughs, vehicles or other equipment interstate from a quarantined area, an applicant for a permit must submit to a Federal representative or State representative a declaration or affidavit listing the requirements of §82.5 for live birds or live poultry, §82.6 for dead birds and dead poultry, §82.7 for litter or manure, §82.8 for eggs other than hatching eggs, §82.9 for hatching eggs, or §82.10 for cages, coops, containers, troughs, vehicles, and other equipment, and stating that the applicant will move the items interstate only if all of the listed requirements are met.

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§ 82.12 Other interstate movements and special permits.

(a) A special permit is required for the interstate movement of birds, poultry, or other items whose movement is restricted under this subpart, from a quarantined area in a manner or to a destination other than is specifically prescribed by this subpart, under special conditions determined by the Administrator to be necessary to prevent the dissemination of END. A special permit is required for the disposal of dead birds or dead poultry that are infected with END, or dead birds or dead poultry from flocks infected with END, or manure generated by or eggs from birds or poultry infected with END, in a manner other than is specifically prescribed in this subpart, and for cleaning and disinfection carried out in a manner other than is specifically prescribed in this subpart, under special conditions determined by the Administrator to be necessary to prevent the dissemination of END. To apply for a special permit, contact the veterinarian in charge[9] for the State in which the birds, poultry, or other items are located. The Administrator may, at his or her discretion, issue special permits if he or she determines that the activity authorized will not result in the interstate dissemination of END.

(b) The special permit will list the name and address of the person to whom the special permit is issued, and the special conditions under which the interstate movement, disposal, or cleaning and disinfection may be carried out.

(1) For an interstate movement, the special permit will also include the following:

(i) The name and mailing address of the person who will receive the birds, poultry, or other items;

(ii) The addresses of both the origin and destination of the birds, poultry, or other items;

(iii) The number and type of birds, poultry, or other items to be moved interstate; and

(iv) The reason for the interstate movement.

(2) For destruction or cleaning and disinfection, the special permit will also include the following:

(i) The address of the place where the dead birds, dead poultry, manure, or eggs are located; and

(ii) The number and type of birds, poultry, or other items involved.

(c) For an interstate movement, a copy of the special permit must accompany the items moved, and copies must be submitted so that a copy is received by the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the birds, poultry, or other items at the destination listed on the special permit. (Approved by the Office of Management and Budget under control number 0579–0116)

§ 82.13 Denial and withdrawal of permits and special permits.

(a) *Denial.* If the Administrator determines that the applicant for a permit or special permit is not complying with or could not comply with this subpart or any special conditions needed to prevent the dissemination of END, or, in the case of a special permit, that the special permit is not required under this subpart, the Administrator may deny the request for a permit or special permit. If the request is denied, the Administrator will send the applicant a written notice explaining why

[9] See footnote 4 to §82.5.

the permit or special permit was denied.

(b) *Withdrawal.* The Administrator may withdraw a permit or special permit, orally or in writing, if he or she determines the person to whom the permit or special permit has been issued is violating either this subpart or some condition specified in the permit or special permit. The Administrator may withdraw the permit or special permit without advance notice if he or she determines that the person to whom the permit or special permit has been issued is violating either this subpart or some condition specified in the permit or special permit in a way that threatens the public health, interest, or safety. The Administrator will send the person to whom the permit or special permit has been issued a written explanation of why the permit or special permit is to be or was withdrawn.

(c) *Appeals.* Denial or withdrawal of a permit or special permit may be appealed to the Administrator within 10 days after receipt of the written notice of denial or withdrawal. The appeal must be in writing[10] and must state all of the facts and reasons upon which the person relies to show that the permit or special permit was wrongfully denied or withdrawn. The Administrator will grant or deny the appeal, in writing, explaining all of the reasons for the decision, as promptly as circumstances allow. In cases where there is a conflict as to any material fact, the person denied a permit or special permit, or from whom a permit or special permit is withdrawn, shall be given an opportunity for a hearing with respect to the merits of the validity of the denial or withdrawal in accordance with rules of practice adopted for the proceeding.

(Approved by the Office of Management and Budget under control number 0579–0116)

§ 82.14 Removal of quarantine.

An area will be removed from quarantine only when all of the following requirements have been met:

(a) All birds and poultry exposed to END in the quarantined area have been found to be free of END;

(b) All birds and poultry infected with END in the quarantined area have been euthanized;

(c) All birds and poultry, including any parts of the birds and poultry, euthanized in accordance with paragraph (b) of this section, and all birds and poultry in the quarantined area, including any parts of the birds and poultry, that died from any cause other than slaughter, have been buried, reduced to ashes by incineration, rendered, or reduced to dust by composting:

(1) If the birds and poultry are buried, all birds and poultry infected with END must be buried in the quarantined area. The birds and poultry must be buried in a location that meets all United States Environmental Protection Agency, State, and local requirements for landfills. They must be buried at least 6 feet deep and be covered at the time of burial with soil; and

(2) If the birds and poultry are composted, all birds and poultry infected with END must be composted in the quarantined area. The birds and poultry must be composted according to the following instructions:

(i) Place a 1-foot layer of litter and manure in a free-standing composter bin, unless the compost pile will be covered in accordance with paragraph (c)(2)(ii) of this section. Add a 6-inch layer of straw, peanut hulls, or wood chips. Add a layer of dead birds or dead poultry, leaving 6 inches between the carcasses and the bin walls. Add water sparingly and cover with 6 inches of a dry mixture of litter and manure. Repeat the layering process two more times and cap with a double layer of dry manure cake. After the bin is capped off and covered, monitor the temperature in the compost pile daily, using a 36-inch probe-type thermometer. The temperature of the compost pile must reach at least 140 °F. After 30 days from the date the compost pile is created, turn over to aerate the entire mixture. Allow mixture to reach at least 140 °F once again. After completion of the second cycle, the mixture must remain covered with any material that prevents penetration of air

[10] Written appeals should be sent to the Administrator, c/o Emergency Programs, Veterinary Services, Animal and Plant Health Inspection Service, 4700 River Road, Riverdale, MD 20737–1231.

and moisture until spread or otherwise utilized. The composted material may not be spread or otherwise utilized until at least 30 days following completion of the second heating cycle.

(ii) Composting of birds and poultry may be accomplished outside of covered bins by following the layering and temperature requirements set forth in paragraph (c)(2)(i) of this section, then covering the compost pile with tarpaulins or 6-mm polyethylene sheets anchored with tires or straw bales. The mixture must be kept moist. The final product may not be spread or otherwise utilized until at least 30 days following completion of the second heating cycle.

(iii) Composting of birds and poultry must be carried out at least 50 yards from any building or pen where poultry and birds are housed and be inaccessible to birds and poultry. Composted material may not be commingled with, or otherwise be brought into contact with, non-composted manure cake;

(d) All eggs produced by birds or poultry infected with or exposed to END in the quarantined area have been buried, reduced to ashes by incineration, or rendered. If the eggs are buried, the eggs must be buried in the quarantined area in a location that meets all United States Environmental Protection Agency requirements and all State and local requirements for landfills. The eggs must be buried at least 6 feet deep and be covered at the time of burial with soil;

(e) All manure generated by or litter used by birds or poultry infected with or exposed to END in the quarantined area has been reduced to ashes by incineration, or has been buried, composted, or spread on a field and turned under, as follows:

(1) *Burial.* If the manure or litter is buried, the manure and litter must be buried at least 6 feet deep and covered at the time of burial with soil. The manure and litter must be buried in the quarantined area in a location that meets all United States Environmental Protection Agency and State and local requirements for landfills;

(2) *Composting.* If the manure and litter is composted, the manure and litter must be composted in the quarantined area according to the following method: Place the manure and litter in rows 3 to 5 feet high and 5 to 10 feet at the base. The area where the manure, litter, and other material used in composting are placed must be such that there is no runoff from the composted material out of the area, no saturation into the ground, and no moisture, except for that required by this paragraph, onto the composted material from above. The composting area must be at least 50 yards from any building or pen where birds or poultry are housed and be inaccessible to birds and poultry. The manure and litter must be mixed so as to attain a carbon to nitrogen ratio of approximately 30:1, a moisture content of between 40 to 50 percent, and a supply of oxygen to the composted material. If a carbon source other than manure or litter is needed, wood chips, straw, or peanut hulls may be used. The manure and litter must be covered with tarpaulin or 6-mm polyethylene sheets, be anchored with tires or straw bales, and be mixed to ensure adequate ventilation every 10 to 15 days. The composted material must rise to a temperature of 140 °F, as determined by use of a 36-inch probe-type thermometer. The composted material may not be spread or otherwise utilized for at least 30 days from the time the 140 °F temperature is reached; and

(3) *Spreading and turning under.* Spreading and turning under of manure or litter may be used as a means of disposal only if carried out under the direct supervision of a Federal representative or a State representative. If the manure or litter is spread on a field and turned under, the field must be in the quarantined area, at least 50 yards away from any building or pen where poultry or birds are housed, and inaccessible to birds and poultry. The manure or litter must be turned under within 24 hours of being spread on the field, and the field must be left undisturbed for at least 30 days;

(f) All vehicles with which the birds or poultry infected with or exposed to END or their excrement or litter have had physical contact have been cleaned and disinfected in accordance with part 71 of this chapter. The vehicles have been inspected after cleaning, and before disinfection, by a Federal representative or State representative, and then have been disinfected in the

presence of a Federal representative or State representative with a disinfectant listed in part 71 of this chapter;

(g) All cages, coops, containers, troughs, and other equipment used for birds or poultry infected with or exposed to END, or their excrement or litter have been reduced to ashes by incineration, or have been cleaned and disinfected in accordance with part 71 of this chapter. The items must be inspected after cleaning, and before disinfection, by a Federal representative or State representative, and then must be disinfected in the presence of a Federal representative or State representative, with a disinfectant listed in part 71 of this chapter; and

(h) The premises where birds or poultry infected with or exposed to END were located have been cleaned and disinfected in accordance with part 71 of this chapter. The premises have been inspected after cleaning, and before disinfection, by a Federal representative or State representative, and then have been disinfected in the presence of a Federal representative or State representative with a disinfectant listed in part 71 of this chapter.

(Approved by the Office of Management and Budget under control number 0579–0116)

§ 82.15 Replacement birds and poultry.

Birds and poultry that have been destroyed because of a quarantine for END may not be replaced by birds or poultry moved interstate into the quarantined area until the Administrator decides that END has been eradicated and that replacement birds or poultry will not become infected with END.

Subpart B—Chlamydiosis in Poultry

§ 82.19 Definitions.

As used in connection with this subpart, the following terms shall have the meaning set forth in this section.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with part 161 of this chapter to perform functions specified in subchapters B, C, and D of this chapter.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any individual authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Bird. Any member of the class *aves* other than poultry.

Chlamydiosis. A contagious bacterial disease of birds and poultry, characterized by respiratory and systemic infection. The disease is also known as psittacosis in psittacine birds and as ornithosis in poultry.

Federal representative. An individual employed and authorized by the Federal government to perform the tasks required by this subpart.

Federal veterinarian. A veterinarian employed and authorized by the Federal government to perform the tasks required by this subpart.

Infected. Affected by the virus or bacterium that causes the specified disease.

Interstate. From one State into or through any other State.

Moved. Shipped, transported or otherwise moved, or delivered or received for movement, by any person.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other legal entity.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys.

State. Each of the States of the United States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, Guam, the Virgin Islands of the United States, or any other territory or possession of the United States.

State animal health official. The State official responsible for livestock- and poultry-disease control and eradication programs.

State representative. An individual employed in animal health work and authorized by a State or political subdivision of a State to perform the tasks required by this subpart.

Veterinarian in charge. A Federal veterinarian employed by the Animal and Plant Health Inspection Service and

authorized by the Administrator to supervise and manage the animal health work of the Animal and Plant Health Inspection Service in a specified area of the United States.

§ 82.20 General restrictions.

The following items may not be moved interstate:

(a) Live poultry infected with chlamydiosis;

(b) Dead poultry that were infected with chlamydiosis when they died, and parts of dead poultry that were infected with chlamydiosis when they died; and

(c) Offal from poultry infected with chlamydiosis.

§ 82.21 Vehicles, cages, coops, containers, troughs, and other equipment used for infected poultry.

(a) Before moving vehicles, cages, coops, containers, troughs, and other equipment interstate that have held or have otherwise been used in the handling of poultry infected with chlamydiosis, and after using these items to move poultry infected with chlamydiosis interstate, the vehicles, cages, coops, containers, troughs, and other equipment must be cleaned and disinfected in accordance with paragraphs (a)(1) through (a)(5) of this section:

(1) Clean and disinfect the vehicles, cages, coops, containers, troughs, and other equipment at the place where the poultry are unloaded or where the equipment is used, no more than 2 hours after the poultry infected with chlamydiosis are unloaded or the equipment is used;

(2) Clean the items in accordance with part 71 of this chapter;

(3) Have a Federal representative, State representative,[1] or an accredited veterinarian, inspect the items after they have been cleaned;

(4) Disinfect the items in the presence of a Federal representative, State representative, or an accredited veterinarian; and

(5) Disinfect the items in accordance with part 71 of this chapter and by using a disinfectant as specified in part 71 of this chapter.

(b) If the place where the cleaning and disinfection would otherwise be required has no facilities for cleaning and disinfecting, the items may be moved to a place where facilities are available for cleaning and disinfecting, provided a Federal representative or State representative has determined that such movement will not cause a risk of the spread of chlamydiosis.

(c) Vehicles, cages, coops, containers, troughs, and other equipment moved interstate under this section must be accompanied by a permit obtained in accordance with § 82.23, and copies of the permit accompanying the vehicles, cages, coops, containers, troughs, and other equipment interstate must be submitted so that a copy is received by both the State animal health official and the veterinarian in charge[2] for the State of destination within 72 hours of the arrival of the vehicles, cages, coops, containers, troughs, and other equipment at the destination listed on the permit.

(Approved by the Office of Management and Budget under control numbers 0579–0116 and 0579–0032)

§ 82.22 Cleaning and disinfecting premises.

Premises that contained poultry that were infected with chlamydiosis must be cleaned and disinfected in accordance with this section before any poultry are moved interstate onto the premises.

(a) The premises must be cleaned in accordance with part 71 of this chapter;

(b) After being cleaned, the premises must be inspected by a Federal representative, State representative, or an accredited veterinarian; and

(c) After being inspected, the premises must be disinfected in the presence of a Federal representative, State representative, or an accredited veterinarian, in accordance with part 71 of this chapter, using a disinfectant listed in part 71 of this chapter.

(Approved by the Office of Management and Budget under control numbers 0579–0116 and 0579–0032)

[1] See footnote 3 to § 82.5.

[2] See footnote 4 to § 82.5.

§ 82.23 Issuance of permits.

(a) Application for the permit required by this subpart to move vehicles, cages, coops, containers, troughs, or other equipment interstate must be in writing, and must be submitted to a Federal representative or State representative. The application must include the following:

(1) The applicant's name and mailing address;

(2) The name and mailing address of the person who will receive the items;

(3) The addresses of both the origin and destination of the items;

(4) The number and types of items intended for interstate movement; and

(5) The reason for the interstate movement.

(b) *Exceptions.* This subpart does not apply to the interstate movement of poultry, vehicles, cages, coops, containers, troughs, or other equipment or material if the interstate movement is made by the United States Department of Agriculture for the purposes of research or diagnosis.

(Approved by the Office of Management and Budget under control number 0579–0116)

§ 82.24 Other interstate movements and special permits.

(a) A special permit is required for the interstate movement of items whose movement interstate is restricted under this subpart in a manner or to a destination other than is specifically prescribed by this subpart. A special permit is required for the disinfection of vehicles, premises, cages, coops, containers, troughs, and other equipment by a method other than is specifically prescribed by this subpart. To apply for a special permit, contact the veterinarian in charge for the State in which the items are located. The Administrator may, at his or her discretion, issue special permits if he or she determines the activity authorized will not increase the risk of spreading chlamydiosis interstate.

(b) The special permit will list the name and address of the person to whom the special permit is issued, and the special conditions under which the interstate movement, or cleaning and disinfection, may be carried out.

(1) For an interstate movement, the special permit will also include the following:

(i) The name and mailing address of the person who will receive the items;

(ii) The addresses of both the origin and destination of the items;

(iii) The number and type of items to be moved interstate; and

(iv) The reason for the interstate movement.

(2) For cleaning and disinfection, the special permit will also include the following:

(i) The address of the place where the items are located; and

(ii) The number and type of items involved.

(c) For an interstate movement, a copy of the special permit must accompany the items moved, and copies must be submitted so that a copy is received by both the State animal health official and the veterinarian in charge for the State of destination within 72 hours of the arrival of the items at the destination listed on the special permit.

(Approved by the Office of Management and Budget under control number 0579–0116)

§ 82.25 Denial and withdrawal of permits and special permits.

(a) *Denial.* If the Administrator determines that the applicant for a permit or special permit is not complying with or could not comply with this subpart or any special conditions needed to prevent the spread of chlamydiosis, or, in the case of a special permit, that the special permit is not required under this subpart, the Administrator may deny the request for a permit or special permit. If the request is denied, the Administrator will send the applicant a written notice explaining why the permit or special permit was denied.

(b) *Withdrawal.* The Administrator may withdraw a permit or special permit, orally or in writing, if he or she determines the person to whom the permit or special permit has been issued is violating either this subpart or some condition specified in the permit or special permit. The Administrator may withdraw the permit or special permit without advance notice if he or she determines that the person to

whom the permit or special permit has been issued is violating either this subpart or some condition specified in the permit or special permit in a way that threatens the public health, interest, or safety. The Administrator will send the person to whom the permit or special permit has been issued a written explanation of why the permit or special permit is to be or was withdrawn.

(c) *Appeals.* Denial or withdrawal of a permit or special permit may be appealed to the Administrator within 10 days after receipt of the written notice of denial or withdrawal. The appeal must be in writing[3] and must state all of the facts and reasons upon which the person relies to show that the permit or special permit was wrongfully denied or withdrawn. The Administrator will grant or deny the appeal, in writing, explaining all of the reasons for the decision, as promptly as circumstances allow. In cases where there is a conflict as to any material fact, the person denied a permit or special permit, or from whom a permit or special permit is withdrawn, shall be given an opportunity for a hearing with respect to the merits or validity of the denial or withdrawal in accordance with rules of practice adopted for the proceeding.

(Approved by the Office of Management and Budget under control number 0579–0116)

Subpart C—Poultry Disease Caused by Salmonella Enteritidis Serotype Enteritidis

SOURCE: 56 FR 3738, Jan. 30, 1991, unless otherwise noted. Redesignated at 61 FR 56883, Nov. 5, 1996.

§ 82.30 Definitions.

As used in connection with this subpart, the following terms shall have the meaning set forth in this section.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any individual authorized to act for the Administrator.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Authorized laboratory. A laboratory approved by the Administrator to conduct tests in accordance with this subpart. Application for accreditation shall be made in writing by the owner or operator of the laboratory and sent to the Administrator, Animal and Plant Health Inspection Service, c/o Sheep, Goat, Equine, and Poultry Diseases Staff, Veterinary Services, U.S. Department of Agriculture, Federal Building, 6505 Belcrest Road, Hyattsville, MD 20782.

The applying laboratory will bear all costs associated with its application process. The Administrator will approve an authorized laboratory only after consulting with the State animal health official in the State in which the laboratory is located and after determining that the laboratory:

(1) Is supervised by a person holding, as a minimum, a bachelor's degree in either chemistry, microbiology, or a related field and having 1 year's experience in diagnostic microbiology, or equivalent qualifications, as determined by the Administrator;

(2) Has technical personnel assigned to conduct the tests who have received training prescribed by the National Veterinary Services Laboratories (NVSL);

(3) Uses reagents, media, and antigen approved by NVSL;

(4) Maintains laboratory quality control records for the most recent 3 years that samples have been analyzed under this Program;

(5) Demonstrates acceptable levels of systematic laboratory difference, variability, and individual large deviations in the identification of microorganisms. An applying laboratory will successfully demonstrate these capabilities if its diagnostic results from annual check test proficiency studies satisfy the criteria of NVSL;

(6) Follows standard test protocols approved by NVSL;

(7) Maintains complete records of the receipt, analysis, and disposition of official samples for the most recent 3 years that samples have been analyzed under this Program;

(8) Reports results of all tests ordered in accordance with this subpart or in

[3] See footnote 10 to § 82.13.

accordance with § 145.23(d) of this chapter to the State animal health official and APHIS.[1]

(9) Maintains a standards book, which is a permanently bound book with sequentially numbered pages, containing all readings and calculations for diagnostic tests and calibration of instruments. All entries are to be dated and signed by the analyst immediately upon completion of the entry and by his/her supervisor within 2 working days. The standards book is to be retained for a period of 3 years after the last entry is made;

(10) Analyzes NVSL check test proficiency samples and returns the results to NVSL within 3 weeks of sample receipt. This must be done whenever requested by NVSL and at no cost to USDA;

(11) Informs the Administrator by certified or registered mail, within 30 days, when there is any change in the laboratory's ownership, officers, directors, supervisory personnel, or other responsibly connected individual or entity; and

(12) Permits any duly authorized representative of the Secretary to perform both announced and unannounced onsite laboratory reviews of facilities and records during normal business hours and to copy all such records.

The Administrator may revoke the authorized status of a laboratory after determining that the laboratory fails to meet any requirement of this definition. The revocation will be effective on the date written notice of revocation is given to to the owner or operator of the laboratory. A laboratory whose accreditation has been revoked may reapply for authorized laboratory status no sooner than 6 months after the effective date of revocation, and must provide written documentation specifying what corrections were made.

[1] Training requirements, standard test protocols, and check test proficiency requirements prescribed by the National Veterinary Services Laboratories and the names and addresses of authorized laboratories can be obtained by writing to the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

Certified Salmonella enteritidis serotype enteritidis Tested Free Flocks. Egg-type chicken breeding flocks that are classified ''U.S. S. Enteritidis Monitored'' under the National Poultry Improvement Plan (NPIP), or meet the requirements of a State classification plan determined by the Administrator to be equivalent to the NPIP, in accordance with § 145.23(d) of this chapter.

Egg production flock. A flock maintained for the purpose of producing eggs for human consumption.

Federal representative. An individual employed and authorized by the Federal government to perform the tasks required by this subpart.

Flock. All of the poultry on one premise.

Hatching eggs. Eggs in which young chickens are allowed to develop.

Infected flock. A flock that does not contain separate poultry houses as defined by this section, and in which any poultry has tested positive for *Salmonella enteritidis* serotype *enteritidis* in accordance with the blood and internal organ tests of § 82.32(c) or (e)(2) of this subpart.

Infected poultry house. A poultry house containing chickens determined to be infected with *Salmonella enteritidis* serotype *enteritidis* in accordance with § 82.32(c) or (e)(2) of this subpart.

Internal organs. All internal organs except for the lungs and organs of the gastrointestinal tract.

Interstate. From one State into or through any other State.

Move (moving, moved, movement). Shipped, offered for shipment to a common carrier, received for transportation or transported by a common carrier, or carried, transported, moved, or allowed to be moved by any means.

Multiplier breeding flock. A flock that is intended for the production of hatching eggs used for the purpose of producing progeny for commercial egg production.

Newly-hatched chicks. Chicks that have not been fed or watered for the first time.

Poultry. Chickens of all ages, including eggs for hatching.

Poultry house. A building or other structure used to house poultry.

Primary breeding flock. A flock composed of one or more generations that

is maintained for the purpose of establishing or continuing multiplier breeding flocks for the ultimate purpose of commercial egg production.

Separate poultry house. A poultry house that has been determined by a Federal or State representative to have biosecurity to prevent the transmission of communicable disease to other poultry houses. Biosecurity means that flock management procedures are in place to ensure that there is no contact between poultry houses through exposure to chickens, feed, water, manure, equipment, or personnel from other poultry houses.

State. Any State, the District of Columbia, Puerto Rico, Guam, the Northern Mariana Islands, the Virgin Islands of the United States, and any other territory or possession of the United States.

State representative. An individual employed in animal health work and authorized by a State or political subdivision of a State to perform the tasks required by this subpart.

Study flock. A flock determined in accordance with §82.32(a) of this part to be a study flock, based on:

(1) A determination by a Federal representative or State representative through epidemiologic investigation that the flock is the probable source of disease in an outbreak of disease in poultry or humans caused by *Salmonella enteritidis* serotype *enteritidis*, or

(2) A determination by a Federal representative or State representative that the flock has received progeny from a primary breeding flock or multiplier breeding flock that has had a positive organ sample in accordance with §145.23(d) of this chapter, after the date of the last negative environmental sample for the primary breeding flock or multiplier breeding flock in accordance with §145.23(d) of this chapter.

Test flock. A flock that does not contain separate poultry houses as defined by this section, and in which any manure and egg transport machinery samples have tested positive for *Salmonella enteritidis* serotype *enteritidis* in accordance with §82.32(b) or (b)(2)(ii) of this subpart.

Test poultry house. A poultry house determined in accordance with §82.32(b) or (b)(2)(iii) of this subpart to have tested positive for *Salmonella enteritidis* serotype *enteritidis* by isolation of the bacterium from one or more manure or egg transport machinery samples, and designated for blood and internal organ testing in accordance with §82.32(c) of this subpart.

[56 FR 3738, Jan. 30, 1991, as amended at 57 FR 778, Jan. 9, 1992; 59 FR 67613, Dec. 30, 1994; 61 FR 11517, Mar. 21, 1996]

§ 82.31 Applicability.

The regulations in this subpart apply only to primary and multiplier breeding flocks used for the purpose of producing progeny for commercial egg production, and to egg production flocks used for the purpose of producing table eggs for sale or other distribution in interstate commerce or for export.

§ 82.32 Identification of study flocks, test poultry houses, test flocks, infected poultry houses, and infected flocks.

Only a Federal representative or State representative[2] may make a determination in accordance with this subpart that an egg production flock is a study flock, a test flock, or an infected flock, or that a poultry house is a test poultry house or an infected poultry house. The Federal representative or State representative shall also determine which subunits of a flock meet the definition of a separate poultry house in §82.30 of this subpart. Immediately after a study flock, test flock, infected flock, test poultry house, or infected poultry house is identified, a Federal representative or a State representative shall notify in writing the person in control of the flock that his or her flock has been determined to be a study flock, test flock, or infected flock, or that specified poultry houses in the flock have been determined to be test poultry houses or infected poultry houses. At any time after such notification, the person in control of such flock, test

[2] The location of Federal or State representatives can be obtained by writing to the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

poultry house, or infected poultry house, upon request of a Federal representative or a State representative, shall make available for review and copying all records maintained in accordance with 7 CFR 59.200[3] and all other records of the shipment of poultry and poultry products to and from the flock.

(a) *Study flocks.* An egg production flock shall be determined to be a study flock under the circumstances described in paragraphs (a)(1) or (a)(2) of this section:

(1) The Administrator determines that the flock has been implicated as the probable source of disease in an outbreak of disease in humans or poultry caused by *Salmonella enteritidis* serotype *enteritidis.* The Administrator shall make such a determination after he or she determines that:

(i) Epidemiologic reports from Federal or State health agencies identify the cause of the outbreak as *Salmonella enteritidis* serotype *enteritidis*;

(ii) Eggs were the probable source of the *Salmonella enteritidis* serotype *enteritidis* organisms that caused the outbreak; and

(iii) Shipping records or other evidence reveal that the probable source of the eggs was the flock determined to be a study flock.

(2) A Federal representative or a State representative determines that the flock has received progeny from an egg-type chicken breeding flock that has had *Salmonella enteritidis* serotype *enteritidis* recovered from the internal organs of one or more chickens through testing in accordance with § 145.23(d) of this chapter, at any time since the last negative environmental sample tested for that egg-type chicken breeding house in accordance with § 145.23(d) of this chapter.

[3] In accordance with 7 CFR 59.200, persons engaged in the business of transporting, shipping, receiving, holding, or handling eggs or egg products in commerce shall maintain records for two years showing the receipt, delivery, sale, movement, and disposition of all eggs and egg products handled by them, and shall, upon the request of an authorized representative of the Secretary, permit him, at reasonable times, to have access to and to copy all such records.

(b) *Test poultry houses and test flocks.* A a separate poultry house in a study flock shall be determined to be a test poultry house if manure and egg transport machinery samples from the house are collected and tested in accordance with this paragraph and one or more of the samples from the house tests positive for *Salmonella enteritidis* serotype *enteritidis.* The entire flock shall be determined to be a test flock if the flock does not contain separate poultry houses as defined in § 82.30 of this chapter, and if manure and egg transport machinery samples from any poultry house in the flock test positive for *Salmonella enteritidis* serotype *enteritidis* in accordance with this paragraph. A study flock shall be determined to be a test flock if the person in control of the flock has refused to schedule collection of samples in accordance with paragraph (b)(1) of this section within 48 hours of the time the person in control of the flock was notified in writing by a Federal representative or a State representative that his flock was determined to be a study flock, or if the actions of the person in control of the flock prevent completion of collection of samples in accordance with paragraph (b)(1) of this section within 15 days of the time the person in control of the flock was notified by a Federal representative or a State representative that his flock was determined to be a study flock. If a Federal representative determines on the basis of epidemiologic investigation that any flock is the probable source of disease in three or more outbreaks of disease in humans caused by *Salmonella enteritidis* serotype *enteritidis,* that flock shall be determined to be a test flock; however, such test flocks shall have environmental samples collected and tested in accordance with paragraphs (b)(1) and (d) of this section, and any separate poultry houses that test negative in accordance with paragraph (d) of this section shall be released from test poultry house status.

(1) *Sample collection.* A Federal representative or a State representative shall initiate testing of each study flock by collecting the following samples for testing:

(i) *Manure samples.* The Federal representative or State representative

shall collect two simultaneous manure samples from each row of cages, or from the floor area if there are no cages, using a sterile 4-inch by 4-inch gauze sponge for each sample. The manure sample shall be collected by fastening the gauze sponges to the scraper frame and running the scraper the full length of the row of cages, if a manure scraper is used on the row; otherwise, collect the manure sample by dragging the swab along the manure pile beneath the cages, or once along the full length of the floor if there are no cages. The gauze sponges used to collect manure samples shall be placed in an 18-ounce whirl-pak plastic bag containing double strength skim milk, and the bag shall be marked with the location of the row or floor area from which the sample is taken.

(ii) *Egg transport machinery samples.* The Federal representative or State representative shall collect one egg transport machinery sample from each row of cages by wiping the egg transport belt and egg escalator, using a sterile 4-inch by 4-inch gauze sponge for each sample. The gauze sponge used to collect egg transport machinery samples for each row shall be placed in an 18-ounce whirl-pak plastic bag containing double strength skim milk, and the bag shall be marked with the location of the row from which the sample is taken.

(2) *Release from test poultry house or test flock status; post-release sampling and testing.* (i) A Federal or State representative shall determine that a separate poultry house is no longer a test poultry house, or that a flock is no longer a test flock, and shall notify in writing the person in control of the house or flock of that determination, after the Federal or State representative determines that, after the house or flock has been determined to be in test status:

(A) the house or flock has been depopulated, and cleaned, washed, and disinfected in accordance with §82.37 of this subpart; or,

(B) blood and internal organ samples from the chickens in the house or flock have been collected and tested in accordance with paragraphs (c) and (d) of this section with no recovery of *Salmonella enteritidis* serotype *enteritidis.*

(ii) For 18 months following the repopulation of a flock or house released from test status, due to depopulation, cleaning, washing, and disinfection pursuant to paragraph (b)(2)(i)(A) of this section, or for 18 months following release of a flock or house from test status, due to testing negative for *Salmonella enteritidis* serotype *enteritidis* pursuant to paragraph (b)(2)(i)(B) of this section, the Administrator may make such periodic collection and testing of samples from the flock or house as he or she determines to be necessary to ensure that the house or flock is free of *Salmonella enteritidis* serotype *enteritidis*; *provided:* that such sample collection and testing will not be performed if the flock or house is participating in a voluntary program approved by the Administrator to control *Salmonella enteritidis* serotype *enteritidis.* If one or more manure or egg transport machinery samples collected and tested in accordance with the provisions of paragraphs (b)(1) and (d) of this section test positive for *Salmonella enteritidis* serotype *enteritidis,* the flock or house from which the sample was taken shall be determined to be a test flock or test poultry house. If one or more internal organ samples collected and tested in accordance with the provisions of paragraphs (c)(2) and (d) of this section test positive for *Salmonella enteritidis* serotype *enteritidis,* the flock or house from which the sample was taken shall be determined to be an infected flock or infected poultry house. If the person in control of the flock or poultry house has refused to schedule sample collection within 48 hours of the time a Federal or State representative requests such sample collection, or has refused to allow completion of sample collection according to the schedule set by the Federal or State representative, the flock or poultry house shall be determined to be in test status.

(c) *Infected poultry houses and infected flocks.* A test poultry house shall be determined to be an infected poultry house if the house is tested in accordance with this paragraph and *Salmonella enteritidis* serotype *enteritidis* is recovered from the internal organs of one or more chickens in the house. A test flock shall be determined to be an

infected flock if the flock is tested in accordance with this paragraph and *Salmonella enteritidis* serotype *enteritidis* is recovered from the internal organs of one or more chickens in the flock. If *Salmonella enteritidis* serotype *enteritidis* is not recovered from the internal organ samples, a second set of blood and internal organ samples from poultry in that house or flock shall be collected and tested in accordance with this paragraph beginning not less than 15 days after the date the first internal organ samples are collected.

(1) *Blood samples.* The Federal representative or State representative shall collect blood samples from 300 chickens in each poultry house, randomly selected from the cage banks that provided manure, or egg transport machinery samples that tested positive in accordance with paragraph (b)(1) of this section, and shall also collect blood samples from any chickens that show clinical signs of infection with *Salmonella enteritidis.* Blood samples shall be tested in accordance with the procedures for the stained-antigen, rapid, whole-blood test described in §147.3 of this chapter. The Federal or State representative shall band each chicken tested with a band bearing a unique number identifying the chicken with the blood test results.

(2) *Internal organ samples.* The Federal representative or State representative shall collect a total of 60 chickens from each test poultry house, or each house of a test flock, and send the chickens to an authorized laboratory for testing of internal organs. The Federal representative or State representative shall include in this sample all chickens that reacted to the blood test in paragraph (c)(1) of this section. If *Salmonella enteritidis* serotype *enteritidis* is recovered from any manure, or egg transport machinery samples tested in accordance with paragraph (b)(1)(i) of this section, the Federal representative or State representative shall collect additional chickens from the rows that supplied the manure, or egg transport machinery samples from which *Salmonella enteritidis* serotype *enteritidis* was recovered, to bring the total number of chickens from each house submitted for internal organ testing to 60.

(d) *Test methods for samples.* Blood samples shall be tested either at the flock premises or at an authorized laboratory, and all other samples shall be sent for testing to an authorized laboratory. Blood samples shall be tested using a stained-antigen, rapid, whole blood test, in accordance with §147.3 of this chapter. Manure, egg transport machinery, and internal organ samples shall be sent for testing to an authorized laboratory, where they shall be cultured for identification of *Salmonella enteritidis* serotype *enteritidis* as follows:

(1) *Manure and egg transport machinery samples.* Place each sample in approximately 10 times its volume of Hajna tetrathionate or Mueller-Kauffman tetrathionate selective enrichment broth, and incubate at 41°C for 24 hours. Use each enriched sample to inoculate an agar plate of Brilliant green agar supplemented with novobiocin or XLT4 agar, and incubate the plates at 37°C for 24 hours. Inoculate at least 5 *Salmonella*-suspect colonies from each sample to slants of triple-sugar iron (TSI) agar and lysine-iron (LI) agar, and incubate at 37°C for 24 hours. Cultures showing typical reactions on TSI or LI or both shall be screened with Group D antiserum. Send all Group D isolates to the National Veterinary Services Laboratories for further characterization.

(2) *Internal organ samples.* Place each sample in approximately 10 times its volume of Hajna tetrathionate or Mueller-Kauffman tetrathionate selective enrichment broth, and incubate at 37°C for 24 hours. Use each sample to inoculate an agar plate of Brilliant green agar supplemented with novobiocin or XLT4 agar, and a supplemental plate of MacConkey agar if so desired, and incubate the plates at 37°C for 24 hours. Inoculate at least 5 *Salmonella*-suspect colonies from each sample to slants of TSI agar and LI agar, and incubate at 37°C for 24 hours. Cultures showing typical reactions on TSI or LI or both shall be screened with Group D antiserum. Send all Group D isolates to the National Veterinary Services Laboratories for further characterization.

(e) *Release from infected poultry house status or infected flock status; post-release sampling and testing.* (1) A Federal

or State representative shall determine that a house or flock is no longer an infected poultry house or an infected flock, and shall notify in writing the person in control of the house or flock of that determination, if the Federal or State representative determines that, after the house or flock has been determined to be infected:

(i) The house or flock has been depopulated, and cleaned, washed, and disinfected in accordance with § 82.37 of this subpart; or,

(ii) Internal organ samples from the chickens in the house or flock have been collected and tested in accordance with paragraphs (c) and (d) of this section, with no recovery of *Salmonella enteritidis* serotype *enteritidis*.

(2) For 18 months following the repopulation of a flock or house released from infected status, due to depopulation, cleaning, washing, and disinfection pursuant to paragraph (e)(1)(i) of this section, or for 18 months following release of a flock or house from infected status, due to testing negative for *Salmonella enteritidis* serotype *enteritidis* pursuant to paragraph (e)(1)(ii) of this section, the Administrator may make such periodic collection and testing of samples from the flock or house as he or she determines to be necessary to ensure that the house or flock is free of *Salmonella enteritidis* serotype *enteritidis*; *provided:* that such sample collection and testing will not be performed if the flock or house is participating in a voluntary program approved by the Administrator to control *Salmonella enteritidis* serotype *enteritidis*. If one or more manure or egg transport machinery samples collected and tested in accordance with the provisions of paragraphs (b)(1) and (d) of this section test positive for *Salmonella enteritidis* serotype *enteritidis*, the flock or house from which the sample was taken shall be determined to be a test flock or test poultry house. If one or more internal organ samples collected and tested in accordance with the provisions of paragraphs (c)(2) and (d) of this section test positive for *Salmonella enteritidis* serotype *enteritidis*, the flock or house from which the sample was taken shall be determined to be an infected flock or infected poultry house. If the person in control of the flock or poultry house has refused to schedule sample collection within 48 hours of the time a Federal or State representative requests such sample collection, or has refused to allow completion of sample collection according to the schedule set by the Federal or State representative, the flock or poultry house shall be determined to be in test status.

[56 FR 3788, Jan. 30, 1991; 56 FR 11062, Mar. 15, 1991, as amended at 57 FR 779, Jan. 9, 1992; 59 FR 67613, Dec. 30, 1994]

§ 82.33 Interstate movement or export of articles from test poultry houses, test flocks, infected poultry houses, and infected flocks.

Eggs, live chickens, cages, coops, containers, troughs, and other equipment, and manure may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock only in accordance with this section.

(a) Eggs that are crushed and denatured or otherwise denatured to deter their use as human food in accordance with 7 CFR part 59 may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock without further restriction under this subpart; *except that,* if the restricted eggs are destined for use as a protein or mineral supplement in animal feed, the eggs may be moved interstate only for pasteurization. Other eggs may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock only for pasteurization at an egg products plant inspected by the Agricultural Marketing Service in accordance with 7 CFR part 59, or for hard cooking at an egg products plant operating under the Agricultural Marketing Service Voluntary Egg Products Inspection Service in accordance with 7 CFR part 55, or directly to a port for export from the United States. Such eggs may only be moved if:

(1) A permit has been obtained for the interstate movement or export in accordance with § 82.35 of this subpart, and

(2) The eggs are moved in a completely enclosed compartment of a vehicle that has had a seal applied to it

by a Federal or State representative[4] immediately prior to movement.

Such eggs may not be unloaded during transit. For eggs moved to an egg products plant, a Federal or State representative shall break the vehicle's seal at the plant. If the Federal or State representative finds that the cargo compartment of the vehicle is contaminated with material from broken eggs, or other material or litter that could spread *Salmonella*, he or she shall order the operator of the vehicle to clean and disinfect the compartment in accordance with §71.7 of this chapter prior to the time the vehicle leaves the premises of the egg products plant.

(b) Live chickens may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock only if:

(1) A permit has been obtained for the interstate movement in accordance with §82.35 of this subpart;

(2) The chickens are moved interstate to a Federally inspected slaughtering establishment;

(3) The chickens are slaughtered within 24 hours of arrival at the Federally inspected slaughtering establishment; and

(4) The wheels and exposed surfaces of the vehicle used to move the chickens are cleaned and disinfected in accordance with §71.7 of this chapter after the chickens are unloaded and prior to the time the vehicle leaves the premises of the slaughtering establishment.

(c) Cages, coops, containers, troughs, and other equipment may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock only if:

(1) A permit has been obtained for the interstate movement in accordance with §82.35 of this subpart;

(2) The equipment is made of hard plastic or metal,

(3) The equipment has been cleaned and disinfected in accordance with §71.7 of this chapter,

(4) The equipment was inspected by a Federal or State representative after it was cleaned but before it was disinfected, and then was disinfected in the presence of a Federal or State representative; and

(5) The wheels and exposed surfaces of the vehicle used to move the equipment are free of manure at the time the equipment leaves the premises of the test or infected poultry house.

(d) Manure may be moved interstate from a test poultry house, test flock, infected poultry house, or infected flock only if: A permit has been obtained for the interstate movement in accordance with §82.35 of this subpart; the wheels and exposed surfaces of the vehicle used to move the manure are free of manure at the time the manure leaves the premises of the flock; and the manure is moved interstate for one of the following purposes:

(1) Burial,

(2) Spreading and turning under on fields not used for grazing or poultry production; or

(3) Composting in a covered compost heap for a period of at least one month.

[56 FR 3738, Jan. 30, 1991, as amended at 59 FR 67613, Dec. 30, 1994]

§ 82.34 Interstate movement of hatching eggs and newly-hatched chicks.

No hatching eggs or newly-hatched chicks from egg-type chicken breeding flocks may be moved interstate unless they are classified ''U.S. S. Enteritidis Monitored'' under the National Poultry Improvement Plan (NPIP), or meet the requirements of a State classification plan determined by the Administrator to be equivalent to the NPIP, in accordance with §145.23(d) of this chapter. Flocks which meet this requirement are designated Certified *Salmonella enteritidis* serotype *enteritidis* Tested Free Flocks.

[56 FR 3738, Jan. 30, 1991, as amended at 61 FR 11517, Mar. 21, 1996]

§ 82.35 Issuance of permits.

Permits required by this part may be obtained by the owner of poultry or other items, or the agent of the owner,

[4] The location of Federal or State representatives can be obtained by writing to the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

by applying in writing to a Federal representative.[5] The application shall specify the following: The name and mailing address of the owner of the poultry or other items to be moved, or the name and address of the agent of the owner; the name and mailing address of the person who will receive the poultry or other items; the street addresses of both the origin and destination of the shipment; the number and types of poultry and other items to be moved; and the reason for their movement. An application for a permit to move eggs for export in accordance with §82.33(a) of this subpart must also include a written statement signed by the exporter stating that the proposed exportation meets the requirements of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 301 *et seq.).*

§ 82.36 Denial and withdrawal of permits.

(a) *Denial.* If a Federal representative denies a request for a permit, he or she will send the applicant a written notice of the denial, explaining why the permit was denied.

(b) *Withdrawal.* If a Federal representative determines that the holder of a permit is violating either the regulations or a condition specified in the permit, he or she may withdraw the permit by notifying the holder of the permit of its withdrawal, orally or in writing. If the notice was oral, a written notice of the withdrawal, explaining why the permit was withdrawn, will follow.

(c) *Appeals.* Denial or withdrawal of a permit may be appealed in writing to the Administrator within 10 days after receipt of the written notice of denial or withdrawal. The appeal must tell the Administrator what material facts are in dispute. A hearing will be held with respect to any disputed material facts, in accordance with rules of practice which shall be adopted by the Administrator for the proceeding; however, the withdrawal or denial shall continue in effect pending the completion of the proceeding, and any judicial review thereof, unless otherwise ordered by the Administrator.

[5] See Footnote 4 to §82.33 of this part.

§ 82.37 Cleaning, washing, and disinfection of depopulated infected poultry houses.

If any infected poultry house is depopulated[6], the poultry house shall be cleaned, washed, and disinfected as follows between the time the poultry house is depopulated and the time the new birds arrive at the premises. All manure and litter must be removed from the house to an isolated area where there is no opportunity for dissemination of disease organisms; all surfaces in the house (except dirt floors) must be scrubbed with hot, soapy water and rinsed; and all surfaces in the house must be sprayed in accordance with the label directions with a disinfectant which is registered by the U.S. Environmental Protection Agency as germicidal, and which is effective against *Salmonella enteritidis* serotype *enteritidis.*[7] The owner or person in control of the infected poultry house must request a Federal or State representative to inspect the poultry house after it is disinfected but before it is restocked with new chickens, and cleaning, washing, and disinfection shall not be considered completed until the Federal or State representative determines the procedures have been properly performed.

[56 FR 3738, Jan. 30, 1991, as amended at 59 FR 67613, Dec. 30, 1994]

§ 82.38 Monitoring other poultry houses on premises containing infected poultry houses; monitoring poultry houses released from infected poultry house status.

(a) This paragraph applies to any poultry house that is in test poultry house status at any time when any

[6] Upon request of the flock owner, APHIS will conduct environmental testing for *Salmonellae* of depopulated poultry houses between the time they are disinfected and the time they are restocked.

[7] A list of some disinfectant solutions registered by the U.S. Environmental Protection Agency as germicidal that are effective against *Salmonella enteritidis* serotype *enteritidis* may be obtained by writing to the Animal and Plant Health Inspection Service, Veterinary Services, Sheep, Goat, Equine, and Poultry Diseases, 4700 River Road Unit 43, Riverdale, Maryland 20737–1231.

other poultry house on the same premises is in infected poultry house status. If any such test poultry house is released from test poultry house status in accordance with §82.32(b)(2) of this subpart, the poultry in the former test poultry house will be tested a third time with the blood and internal organ tests required by §82.32 (c) and (d) of this subpart, within 45 to 60 days following the date the house was released from test house status. If this blood and internal organ monitoring test has positive results, the poultry house will be determined to be an infected poultry house in accordance with §82.32 (c) and (d) of this subpart.

(b) All other poultry houses on a premises containing an infected poultry house, except any test poultry house, shall undergo monitoring tests as follows from the date the flock owner is notified of the determination of an infected house until 120 days after the date infected house status is removed from all poultry houses on the premises. A Federal representative or State representative shall collect manure and egg transport machinery samples from each house in accordance wth §82.32(b) of this subpart, at intervals of not less than 45 days and not more than 60 days. If the samples from any house test positive in accordance with §82.32(d) of this subpart, that house shall be determined to be a test poultry house in accordance with §82.32(b) of this subpart.

(c) The poultry in any infected poultry house that is released from infected poultry house status in accordance with §82.32(e) of this subpart must be tested a third time with the blood and internal organ test required by §82.32(c) of this subpart, within 45 to 60 days following the date the house was released from infected poultry house status. If this blood and internal organ monitoring test has positive results, the poultry house will be determined to be an infected poultry house in accordance with §82.32(c) of this subpart.

PART 85—PSEUDORABIES

Sec.

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AUTHORITY: 21 U.S.C. 111, 112, 113, 115, 117, 120, 121, 123–126, 134b, and 134f; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 44 FR 10309, Feb. 16, 1979, unless otherwise noted.

§85.1 Definitions.

For purposes of this part, the following terms mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Sevice. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Approved differential pseudorabies test. Any test for the diagnosis of pseudorabies that: (a) Can distinguish vaccinated swine from infected swine; (b) Is produced under license from the Secretary of Agriculture under the Virus-Serum-Toxin Act of March 4, 1913, and subsequent amendments (21 U.S.C. 151 *et seq.*) with indications for

use in the Cooperative State-Federal Pseudorabies Eradication Program; and (c) Is conducted in a laboratory approved by the Administrator.[1]

Approved livestock market. A stockyard, livestock market, buying station, concentration point or any other premises under State or Federal veterinary supervision where swine are assembled for sale or sale purposes, and which has been approved by the Administrator under §71.20 of this chapter.[2,3]

Certificate. An official document issued by an Animal and Plant Health Inspection Service representative, State representative, or accredited veterinarian for and prior to the interstate movement of swine that are not known to be infected with or exposed to pseudorabies, and are not pseudorabies vaccinates, except for official gene-altered pseudorabies vaccinates vaccinated with a glycoprotein I (gpI) deleted gene-altered pseudorabies vaccine or from a qualified negative gene-altered vaccinated herd. The document must state: (a) The number and description of the swine to be moved; (b) That the swine to be moved are not known to be infected with or exposed to pseudorabies; (c) The purpose for which the swine are to be moved; (d) The points of origin and destination; (e) The consignor and consignee; and (f) Any additional information required by this part.

Common ground. The ground, areas, buildings or equipment communally shared by any specific group or groups of livestock.

Contact. Direct access to other swine, their excrement, or discharges; or sharing a building with a common ventilation system with other swine, or being within ten feet of other swine if not sharing a building with a common ventilation system.

Exposed livestock. Any livestock that has been in contact with an animal infected with pseudorabies, including all livestock in a known infected herd; except that livestock, other than swine, that have not been exposed to a clinical case of the disease for a period of 10 consecutive days shall no longer be considered to be exposed livestock.

Exposed swine. Any swine that has been in contact with an animal infected with pseudorabies, including all swine in a known infected herd.

Farm of origin. A farm where the swine were born, or on which they have resided for at least 90 consecutive days immediately prior to the interstate shipment.

Feedlot. A premises where swine are fed physically separated from swine kept for breeding or other purposes and from which such swine are moved directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment, quarantined herd, or quarantined feedlot.

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[1] The names and addresses of laboratories approved by the Administrator to conduct approved differential pseudorabies tests are published in the Notices Section of the FEDERAL REGISTER. A list of approved laboratories is also available upon request from the Animal and Plant Health Inspection Service, Veterinary Services, Swine Health, 4700 River Road Unit 37, Riverdale, Maryland 20737–1231. State, Federal, and university laboratories will be approved by the Administrator when he or she determines that the laboratory: (a) Employs personnel trained at the National Veterinary Services Laboratories assigned to supervise the testing; (b) follows standard test protocols; (c) meets check test proficiency requirements; and (d) will report all test results to State and Federal animal health officials. Before the Administrator may withdraw approval of any laboratory for failure to meet any of these conditions, the Administrator must give written notice of the proposed withdrawal to the director of the laboratory, and must give the director an opportunity to respond. If there are conflicts as to any material fact, a hearing will be held to resolve the conflict.

[2] Notices containing lists of such approved livestock markets are published in the FEDERAL REGISTER. Information concerning livestock markets can be obtained from the Veterinarian in Charge, Veterinary Services, Animal and Plant Health Inspection Service, United States Department of Agriculture for the State in question.

[3] Before the Administrator withdraws approval of any livestock market, the owner of such livestock market shall be given notice by the Administrator of the proposed withdrawal of approval and the reasons therefor and such owner shall have an opportunity to present his views thereon. In those instances where there are conflicts as to the facts, a hearing shall be held to resolve such conflicts.

Herd. Any group of livestock maintained on common ground for any purpose, or two or more groups of livestock under common ownership or supervision, geographically separated, but which have an interchange or movement of animals without regard to whether the animals are infected with or exposed to pseudorabies.

Infected livestock. Any livestock determined to be infected with pseudorabies by an official pseudorabies test, or diagnosed by a official pseudorabies epidemiologist as having pseudorabies.

Interstate. From any State into or through any other State.

Isolation. Separation of swine by a physical barrier in such a manner that other swine do not have access to the isolated swine's body, excrement, or discharges; not allowing the isolated swine to share a building with a common ventilation system with other swine; and not allowing the isolated swine to be within ten feet of other swine if not sharing a building with a common ventilation system.

Known infected herd. Any herd in which any livestock has been determined to be infected with pseudorabies by an official pseudorabies test, an approved differential pseudorabies test, or diagnosed by an official pseudorabies epidemiologist as having pseudorabies.

(a) A herd of livestock, other than swine, shall no longer be classified as a known infected herd after 10 days since the last clinical case of pseudorabies in the herd.

(b) A herd of swine which has been released from pseudorabies quarantine in accordance with the following provisions shall no longer be classified as a known infected herd if:

(1) All swine positive to an official pseudorabies test have been removed from the premises; all swine which remain in the herd, except swine nursing from their mothers, are subjected to an official pseudorabies serologic test and found negative 30 days or more after removal of swine positive to an official pseudorabies test; and no livestock on the permises have shown clinical signs of pseudorabies after removal of the postive swine; or

(2) All swine have been depopulated for 30 days and the herd premises have been cleaned and disinfected in accordance with § 85.13; or

(3) In a herd of swine in which swine are positive to an official pseudorabies serologic test but no swine are postive at titers greater than 1:8, all titered swine are subjected to another official pseudorabies serologic test and found negative; and all other swine in the herd which an epidemiologist, approved by the State animal health official and the Veterinarian in Charge, requires to be subjected to an official pseudorabies serologic test are tested and found negative.[4]

(4) In a herd of swine containing official gene-altered pseudorabies vaccinates:

(i) All vaccinates have been vaccinated with the same official gene-altered pseudorabies vaccine; and

(ii) All swine positive to an approved differential pseudorabies test have been gone from the herd for at least 60 days; and

(iii) No livestock on the same premises as the herd have shown clinical signs of pseudorabies since removal of the positive swine; and

(iv) The herd has been tested for pseudorabies and found negative in accordance with one of the following two provisions:

(A) All swine in the herd, except suckling swine, are tested with an approved differential pseudorabies test. If all tested swine are found negative, no further testing is required. If any swine test positive, they may be retested with an approved differential pseudorabies test within 30 days of the first test if they are isolated from the remainder of the herd until the retest shows them to be negative.

[4] The epidemiologist shall consider the following epidemiologic evidence to determine which swine in the herd, in addition to the titered swine, must be subjected to an official pseudorbies serologic test and found negative: (a) the percentage and number of titered swine in the herd; (b) the number of titered swine as compared to the number of swine tested; (c) the extent of the contact of members of the herd with the titered swine; (d) the prevalence of pseudorabies in the area; (e) the herd management practices; and (f) any other reliable epidemiologic evidence.

(B) All swine in the herd over 6 months of age and a random sample of 30 or more swine in each segregated group of swine in the herd between 2 and 6 months of age are tested with an approved differential pseudorabies test. Not less than 30 days nor more than 60 days after this first test, another random sample of 30 or more swine in each segregated group of swine in the herd between 2 and 6 months of age is tested with an approved differential pseudorabies test. If all swine are negative on these tests, no further testing is required. If any swine test positive on either of these tests, the positive swine may be retested with an approved differential test within 30 days of the initial test if they are isolated from the remainder of the herd until the retest shows them to be negative.

Livestock. Swine, cattle, sheep or goats.

Moved. Shipped, transported, or otherwise moved, or delivered or received for movement by land, water, or air.

Official gene-altered pseudorabies vaccinate. Swine vaccinated with an official gene-altered pseudorabies vaccine, in accordance with directions on the label.

Official gene-altered pseudorabies vaccine. Any official pseudorabies vaccine for which there is an approved differential pseudorabies test.

Official pseudorabies epidemiologist. A state or federally employed veterinarian designated by the State animal health official and the veterinarian in charge to investigate and diagnose pseudorabies in livestock.

Official pseudorabies serologic test. An official pseudorabies test, as defined in this section, conducted on swine serum to detect the presence or absence of pseudorabies antibodies.

Official pseudorabies test. Any test for the diagnosis of pseudorabies approved by the Administrator conducted in a laboratory approved by the Administrator as listed in a Veterinary Services Notice listing such laboratories.[5] The following tests for the diagnosis of pseudorabies have been approved by the Administrator: 1. Microtitration Serum-Virus Neutralization Test; 2. Virus Isolation and Identification Test; 3. Fluorescent Antibody Tissue Section Test; 4. Enzyme-Linked Immunosorbent Assay (ELISA) Test, except for approved differential pseudorabies tests other than the glycoprotein I (gpI) ELISA test; 5. Latex Agglutination Test (LAT); and 6. Particle Concentration Fluorescence Immunoassay (PCFIA) Test, including the gpI PCFIA test.[6] State, Federal, and University laboratories will be approved by the Administrator following the determination by him that the laboratory: (a) Has personnel trained at the Veterinary Services Diagnostic Laboratory, Ames, Iowa, assigned to supervise the test, (b) follows standard test protocol, (c) meets check test proficiency requirements, and (d) will report all test results to State and Federal animal health officials.[7]

Official pseudorabies vaccine. Any pseudorabies virus vaccine produced under license from the Secretary of Agriculture under the Virus, Serum and Toxin Act of March 4, 1913, and any legislation amendatory thereof (21 U.S.C. 151 *et seq.*).

Official vaccinate. Any swine which have been: (a) Vaccinated with an official pseudorabies vaccine by an accredited veterinarian or a State or Federal

[5] Notices containing lists of laboratories approved for the purposes of the regulations in this part are published in the FEDERAL REGISTER Notices Section. The lists are also available upon request from the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, Maryland 20737–1231.

[6] Copies of the test protocols (Recommended Minimum Standards for Diagnostic Tests Employed in the Diagnosis of Pseudorabies (Aujeszky's Disease)) published as a Veterinary Services Notice, May 17, 1978, are available upon request from the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road, Unit 33, Riverdale, Maryland 20737–1231.

[7] Before the Administrator withdraws the approval of any laboratory, the Director of such laboratory shall be given a notice by the Administrator of the proposed disapproval and the reasons therefore and such Director shall have an opportunity to present his views thereon. In those instances where there are conflicts as to the facts, a hearing shall be held to resolve such conflicts.

veterinarian in accordance with recommendations on the vaccine label and the laws and regulations of the State in which the swine are vaccinated; (b) identified by a numbered pink eartag approved by the State in which such swine are vaccinated;[8] and (c) reported as official vaccinates at the time of vaccination to the State animal health official.

Owner-shipper statement. A statement signed by the owner or shipper of swine which states: (a) The number of swine to be moved; (b) the points of origin and destination; (c) the consignor and consignee; and (d) any additional information required by this part.

Permit. An official document issued for and prior to the interstate movement of pseudorabies infected, exposed or vaccinated swine under this part by an Animal and Plant Health Inspection Service representative, State representative, or an accredited veterinarian which states: (a) The number of swine to be moved; (b) the purpose for which the swine are to be moved; (c) the points of origin and destination; (d) the consignor and the consignee; and (e) any additional information required by this part.

Pseudorabies. The contagious, infectious, and communicable disease of livestock and other animals also known as Aujeszky's disease, mad itch, or infectious bulbar paralysis.

Pseudorabies controlled vaccinated herd. (a) Pseudorabies controlled vaccinated herd status is attained by subjecting all swine over 6 months of age to an official pseudorabies serologic test and finding all swine so tested negative. The herd must not have been a known infected herd within the past 30 days. Any swine in the herd over 6 months of age may be vaccinated for pseudorabies within 15 days after being subjected to an official pseudorabies serologic test and found negative.[1]

(b) If on the qualifying official pseudorabies serologic test or any subsequent official pseudorabies test, any swine so tested are positive, pseudorabies controlled vaccinated herd status is attained or regained by: removing all positive swine; cleaning and disinfecting the herd premises in accordance with §85.13; subjecting all swine in the herd, except swine nursing from their mothers, to an official pseudorabies serologic test 30 days or more after removal of the positive swine and finding all swine so tested negative; and, after an interval of 30 to 60 days after the first such negative official pseudorabies serologic herd test, subjecting all swine in the herd over 6 months of age to another official pseudorabies serologic test and finding all swine so tested negative.

(c)(1) Pseudorabies controlled vaccinated herd status is maintained by: subjecting 25 percent of all the offspring to an official pseudorabies serologic test when they are between 16 and 20 weeks of age and finding all swine so tested negative, or by leaving 10 percent of the swine over 6 months of age in the herd unvaccinated and subjecting all such unvaccinated swine to an official pseudorabies serologic test every 80–105 days and finding all swine so tested negative.

(2) Any swine in the herd over 6 months of age may be vaccinated for pseudorabies within 15 days after being subjected to an official pseudorabies serologic test and found negative; *Provided* That, if pseudorabies controlled vaccinated herd status is to be maintained by testing unvaccinated swine over 6 months of age, at least 10 percent of the swine in the herd over 6 months of age shall remain unvaccinated.

(3) All swine intended to be added to a pseudorabies controlled vaccinated herd shall be isolated until the swine have been found negative to an official pseudorabies serologic test conducted 30 days or more after the swine have been placed in isolation. Not more than 90 percent of the swine over 6 months of age added to the herd may be vaccinated for pseudorabies. All additions to the herd which are to be vaccinated for pseudorabies shall be vaccinated within 15 days after being subjected to such official pseudorabies serologic test. All additions to the herd shall be added to the herd within 30 days after such official pseudorabies serologic test.

[8] The numbered pink eartags are available commercially. Should any problem arise regarding the availability of such eartags, contact the appropriate State animal health official.

(4) Swine which have not been vaccinated for pseudorabies and which are to be tested to maintain pseudorabies controlled vaccinated herd status shall be maintained in the herd so that the pseudorabies vaccinates can physically touch nonvaccinates or so that the pseudorabies vaccinates are within 10 feet of nonvaccinates while sharing a direct common ventilation system with such nonvaccinates.

Pseudorabies vaccinate. Any swine that have been vaccinated with any product containing antigens for pseudorabies.

Qualified negative gene-altered vaccinated herd. (a) Any herd in which no swine are known to be infected with or exposed to pseudorabies, and in which no swine are vaccinated for pseudorabies, may achieve status as a qualified negative gene-altered vaccinated herd under the following conditions:

(1) All swine in the herd over 6 months of age must be tested with an official pseudorabies serologic test. For a minimum of 30 days before the test, the herd must not have been a known infected herd. During the 90 days before the test, at least 90 percent of the swine in the herd either must have been on the premises and a part of the herd, or must have entered the herd directly from a qualified pseudorabies negative herd. If any of the tested swine are found positive on this or any other official pseudorabies test prior to vaccination with the official gene-altered pseudorabies vaccine, the requirements in paragraph (a)(2) must be met.

(2) All swine that are positive on an official pseudorabies test must be removed from the herd, or must be isolated until another official pseudorabies test conducted within 30 days of the first test shows them to be negative. If the results of the second test are negative, no additional testing is required before the herd may be vaccinated in accordance with paragraph (a)(3). If the results of the second test are positive, all swine that tested positive must be removed from the herd. Not less than 30 days after any positive swine are removed from the herd, all remaining swine in the herd, except suckling swine, must be tested with an official pseudorabies serologic test and found negative. Not less than 30 days after this negative test, the herd must be tested again in accordance with paragraph (a)(1).

(3) Not more than 30 days after test results show the herd to be negative for pseudorabies in accordance with paragraph (a)(1), all swine in the herd over 6 months of age must be vaccinated with an official gene-altered pseudorabies vaccine. Only one official gene-altered pseudorabies vaccine may be used in the herd.

(b) Any herd designated as a qualified pseudorabies negative herd may achieve new status as a qualified negative gene-altered vaccinated herd if all swine in the herd over 6 months of age are vaccinated with an official gene-altered pseudorabies vaccine. Only one official gene-altered pseudorabies vaccine may be used in the herd.

(c) Any herd in which no swine are known to be infected with or exposed to pseudorabies, and in which the only swine vaccinated for pseudorabies are official gene-altered pseudorabies vaccinates, may achieve status as a qualified negative gene-altered vaccinated herd under the following conditions:

(1) Only one official gene-altered pseudorabies vaccine may be used in the herd.

(2) All swine in the herd over 6 months of age must be tested with an approved differential pseudorabies test. For a minimum of 60 days before the test, the herd must not have been a known infected herd. During the 90 days before the test, at least 90 percent of the swine in the herd either must have been on the premises and a part of the herd or must have entered the herd directly from a qualified pseudorabies negative herd or a qualified negative gene-altered vaccinated herd. If any of the tested swine are found positive on this test, the requirements in paragraph (c)(3) must be met.

(3) All swine positive on an approved differential pseudorabies test must be removed from the herd, or must be isolated until another approved differential pseudorabies test conducted within 30 days of the first test shows them to be negative. If the results of the second test are negative, no additional testing

is required before the herd may be vaccinated in accordance with paragraph (c)(4). If the results of the second test are positive, all swine that tested positive must be removed from the herd. No less than 30 days after any negative swine are removed from the herd, all remaining swine in the herd, except suckling swine, must be tested with an approved differential pseudorabies test and found negative. No less than 30 days after this negative test, the herd must be tested again in accordance with paragraph (c)(2).

(4) No more than 30 days after test results show the herd to be negative for pseudorabies in accordance with paragraph (c)(2), all swine in the herd over 6 months of age that are not already official gene-altered pseudorabies vaccinates must be vaccinated with an official gene-altered pseudorabies vaccine. Only one official gene-altered pseudorabies vaccine may be used in the herd.

(d) Qualified negative gene-altered vaccinated herd status is maintained under the following conditions:

(1) All swine over 6 months of age in the herd must be official gene-altered pseudorabies vaccinates, and only one official gene-altered pseudorabies vaccine may be used in the herd.

(2) All swine over 6 months of age in the herd must be tested at least once a year with an approved differential pseudorabies test and found negative; except that, if any swine are positive, the herd may maintain its status if the positive swine are isolated from the rest of the herd until they are found negative to a second approved differential pseudorabies test conducted within 30 days of the first. The requirement for annual testing of all swine in the herd over 6 months of age may be met by testing 25 percent of the swine over 6 months of age every 80–105 days, or by testing 10 percent of the swine over 6 months of age each month. No swine may be tested twice in 1 year to comply with the 25 percent requirement, or twice in 10 months to comply with the 10 percent requirement.

(3) Swine may be added to a qualified negative gene-altered vaccinated herd only under one of the following conditions:

(i) The swine are moved to the qualified negative gene-altered vaccinated herd from another qualified negative gene-altered vaccinated herd, or from a qualified pseudorabies negative herd, without having any contact en route with swine other than those from a qualified negative gene-altered vaccinated herd or a qualified pseudorabies negative herd.

(ii) The swine are moved to the qualified negative gene-altered vaccinated herd from a qualified pseudorabies negative herd, have contact en route with swine other than those from a qualified negative gene-altered vaccinated herd or a qualified pseudorabies negative herd, and, before being added, are isolated until they are found negative to an official pseudorabies serologic test conducted 30 days or more after the swine are isolated.

(iii) The swine are moved to the qualified negative gene-altered vaccinated herd from another qualified negative gene-altered vaccinated herd, have contact en route with swine other than those from a qualified negative gene-altered vaccinated herd or a qualified pseudorabies negative herd, and, before being added, are isolated until they are found negative to an approved differential pseudorabies test conducted 30 days or more after the swine are isolated.

(iv) The swine are removed to the qualified negative gene-altered vaccinated herd from a herd other than a qualified negative gene-altered vaccinated herd or a qualified pseudorabies negative herd, and, before being added, are isolated until they are found negative to two official pseudorabies serologic tests, one conducted at the time the swine are isolated, and the second conducted 30 days or more after the swine are isolated.

Qualified pseudorabies negative herd. (a) Qualified pseudorabies negative herd status is attained by subjecting all swine over 6 months of age to an official pseudorabies serologic test and finding all swine so tested negative. The herd must not have been a known infected herd within the past 30 days. A minimum of 90 percent of the swine in the herd must have been on the premises and a part of the herd for at least 90 days prior to the qualifying official

pseudorabies serologic test or have entered directly from another qualified pseudorabies negative herd.

(b)(1) If on a qualifying official pseudorabies serologic test or any subsequent official pseudorabies test, any swine so tested are positive, qualified pseudorabies negative herd status is attained or regained by: Removing all positive swine and cleaning and disinfecting the herd premises in accordance with § 85.13; subjecting all swine in the herd, except swine nursing from their mothers, to an official pseudorabies serologic test 30 days or more after removal of the positive swine and finding all swine so tested negative; and, after an interval of 30 to 60 days after the first such negative official pseudorabies serologic herd test, subjecting all swine in the herd over 6 months of age to another official pseudorabies serologic test and finding all swine so tested negative; or

(2) If on any qualifying official pseudorabies serologic test or any subsequent official pseudorabies serologic test, any swine so tested are positive, but no swine are positive at titers greater than 1:8, qualified pseudorabies negative herd status is attained or regained by: Subjecting all titered swine and all other swine required to be tested by an epidemiologist, approved by the State animal health official and the Veterinarian in Charge, to an official pseudorabies serologic test and finding all such swine negative.[1]

(c) Qualified pseudorabies negative herd status is maintained by subjecting all swine over 6 months of age in the herd to an official pseudorabies serologic test at least once each year (this must be accomplished by testing 25 percent of swine over 6 months of age every 80–105 days and finding all swine so tested negative, or by testing 10 percent of the swine over 6 months of age each month and finding all swine so tested negative; no swine shall be tested twice in 1 year to comply with the 25 percent requirement or twice in 10 months to comply with the 10 percent requirement). All swine intended to be added to a qualified pseudorabies negative herd shall be isolated until the swine have been found negative to two official pseudorabies serologic tests, one conducted 30 days or more after the swine have been placed in isolation, the second test being conducted 30 days or more after the first test; except (1) swine intended to be added to a qualified pseudorabies negative herd directly from another qualified pseudorabies negative herd may be added without isolation or testing; (2) swine intended to be added to a qualified pseudorabies negative herd from another qualified pseudorabies negative herd, but with interim contact with swine other than those from a single qualified pseudorabies negative herd, shall be isolated until the swine have been found negative to an official pseudorabies serologic test, conducted 30 days or more after the swine have been placed in isolation; (3) swine returned to the herd after contact with swine other than those from a single qualified pseudorabies negative herd shall be isolated until the swine have been found negative to an official pseudorabies serologic test conducted 30 days or more after the swine have been placed in isolation.

Quarantined feedlot. A premises where pseudorabies infected or exposed swine are fed under the supervision and control of the State animal health official, and from which such swine are moved directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment in accordance with the provisions of this part.

Quarantined herd. A herd in which pseudorabies infected or exposed swine are bred, reared, and fed under the supervision and control of the State animal health official, and from which such swine are moved interstate directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment, or from which exposed officially vaccinated swine which were negative to an official pseudorabies serologic test may be moved only to a quarantined herd or quarantined feedlot.

Recognized slaughtering establishment. A slaughtering establishment operated under the provisions of the Federal Meat Inspection Act (21 U.S.C. 601 *et*

seq.) or a State inspected slaughtering establishment.

Slaughter market. A livestock market approved in accordance with § 71.20 of this chapter, at which swine for sale and shipment for slaughter are handled only on days when no swine are handled for sale and shipment for feeding or breeding purposes unless facilities are provided to keep slaughter swine physically separated from feeder and breeder swine, and feeder and breeder swine use no facilities previously used by slaughter swine on the day these classes of swine are at the market. The facilities used by slaughter swine shall be cleaned and disinfected in accordance with the requirements of this part before being used for feeding or breeding swine.[9,10]

State. Any State or Territory of the United States, the District of Columbia, Puerto Rico, Guam or the Northern Mariana Islands.

State animal health official. The State animal health official who is responsible for the livestock and poultry disease control and eradication programs in the official's State or his designated representative.

State representative. A person regularly employed in animal health work of a State and who is authorized by such State to perform the function involved under a Cooperative Agreement with the United States Department of Agriculture.

Swine not known to be infected with or exposed to pseudorabies. Any swine from a herd of swine in which no animal has been classified as a reactor to an official pseudorabies test, or has been diagnosed as having pseudorabies or suspected of having pseudorabies by a veterinarian; or any swine from a herd of swine which has been released from quarantine or has met the requirements of release from quarantine in accordance with the definition of known infected herd in § 85.1.

Veterinarian in charge. The veterinary official of Veterinary Services, Animal and Plant Health Inspection Service, United States Department of Agriculture, who is assigned by the Administrator to supervise and perform official animal health work of the Animal and Plant Health Inspection Service in the State concerned.

Veterinary Services. Veterinary Services, Animal and Plant Health Inspection Service, United States Department of Agriculture.

Veterinary Services representative. A person employed by Veterinary Services, Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the function involved.

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[44 FR 10309, Feb. 16, 1979; 44 FR 12159, Mar. 6, 1979, as amended at 48 FR 57472, Dec. 30, 1983; 50 FR 42145, Oct. 18, 1985; 50 FR 47350, Nov. 15, 1985; 52 FR 45935, Dec. 3, 1987; 54 FR 21049, May 16, 1989; 55 FR 19251, May 9, 1990; 55 FR 49592, Nov. 29, 1990; 58 FR 68507, Dec. 28, 1993; 59 FR 67613, Dec. 30, 1994; 60 FR 26355, May 17, 1995; 62 FR 27937, May 22, 1997; 63 FR 17316, Apr. 9, 1998]

§ 85.2 Notice relating to the existence of the contagion of pseudorabies.

Notice is hereby given that there is reason to believe that the contagion of pseudorabies may exist in each State and that to prevent the spread and dissemination of the contagion thereof, and to protect the livestock of the United States, the regulations in this part are promulgated.

§ 85.3 General restriction.

Livestock shall not be moved interstate except in compliance with the regulations in this part.

[9] Notices containing lists of slaughter markets approved for the purposes of the regulations in this part are published in the FEDERAL REGISTER. Information concerning slaughter markets can be obtained from the Veterinarian in Charge, Veterinary Services, Animal and Plant Health Inspection Service, U.S. Department of Agriculture, for the State in question.

[10] Before the Administrator withdraws approval of any slaughter market, the owner of such slaughter market shall be given notice by the Administrator of the proposed withdrawal of approval and the reasons therefore and such owner shall have an opportunity to present his views thereon. In those instances where there are conflicts as to the facts, a hearing shall be held to resolve such conflicts.

§ 85.4 Interstate movement of livestock.

(a) Livestock showing clinical evidence of pseudorabies shall not be moved interstate.

(b) Livestock that have been exposed to an animal showing clinical evidence of pseudorabies shall not be moved interstate within 10 days of such exposure.

(c) Except as provided in paragraphs (a) and (b) of this section, livestock other than swine may be moved interstate without restriction under this part.

(d) Except as provided in paragraphs (a) and (b) of this section, swine, swine semen, and swine embryos shall be moved interstate only in compliance with the regulations in this part.

[44 FR 10309, Feb. 16, 1979, as amended at 50 FR 47352, Nov. 15, 1985]

§ 85.5 Interstate movement of infected swine or exposed swine.

Infected swine or exposed swine, other than swine described in § 85.4 (a) or (b), shall only be moved interstate in accordance with the following provisions:

(a) *Movement of infected or exposed swine for slaughter.* Infected or exposed swine shall be moved interstate for slaughter only if:

(1) The swine are moved directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment;

(2) The swine are accompanied by a permit or owner-shipper statement and such permit or owner-shipper statement is delivered to the consignee;

(3) The permit, in addition to the information in § 85.1, or the owner-shipper statement, in addition to the information in § 85.1, lists the identification of the swine as required by § 71.19 of this chapter; *except* if the swine are moved interstate and the indentity of the farm of origin of each swine is maintained, the permit or the owner-shipper statement need not list the identification required by § 71.19 of this chapter, if such swine are identified to the farm of orgin at the recognized slaughtering establishment or the first slaughter market; and

(4) The swine are moved to destination in one continuous movement without unloading enroute.

(b) *Movement of exposed swine to a quarantined herd or a quarantined feedlot.* Exposed swine shall be moved interstate directly to a quarantined herd or quarantined feedlot only if:

(1) The swine are negative to an official pseudorabies serologic test 21 days or more after last being exposed to any livestock showing clinical evidence of pseudorabies;

(2) The swine are officially vaccinated for pseudorabies within 15 days after the negative test;

(3) The swine are moved interstate within 30 days after the negative test;

(4) The swine are accompanied by a permit and such permit is delivered to the consignee; and

(5) The permit, in addition to the information described in § 85.1, states: (i) The present pseudorabies quarantine status of the farm of origin; (ii) the identification of the swine as required by § 71.19 of this chapter; (iii) the date of the official pseudorabies serologic test and the name of the laboratory where the test was conducted; (iv) the date of the official vaccination for pseudorabies; and (v) that approval for the interstate movement has been issued by the State animal health official of the State of destination prior to the interstate movement of the swine.

(Approved by the Office of Management and Budget under control number 0579–0051)

[44 FR 10309, Feb. 16, 1979, as amended at 48 FR 57472, Dec. 30, 1983; 50 FR 47352, Nov. 15, 1985; 53 FR 40387, Oct. 14, 1988; 59 FR 67133, Dec. 29, 1994]

§ 85.6 Interstate movement of pseudorabies vaccinate swine, except swine from qualified negative gene-altered vaccinated herds, not known to be infected with or exposed to pseudorabies.

Pseudorabies vaccinate swine, except swine from qualified negative gene–altered vaccinated herds, not known to be infected with or exposed to pseudorabies shall only be moved interstate in accordance with the following provisions:

(a) *Movement of pseudorabies vaccinate swine, except swine from qualified negative gene-altered vaccinated herds, for*

slaughter. Pseudorabies vaccinate swine, except swine from qualified negative gene-altered vaccinated herds, not known to be infected with or exposed to pseudorabies shall be moved interstate for slaughter only if:

(1) The swine are moved directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment;

(2) The swine are accompanied by a permit or owner-shipper statement and such permit or owner-shipper statement is delivered to the consignee; and

(3) The swine are moved to destination in one continuous movement without unloading enroute.

(b) *Movement of pseudorabies vaccinate swine, except swine from qualified negative gene–altered vaccinated herds, to a quarantined herd or quarantined feedlot.* Pseudorabies vaccinate swine, except swine from qualified negative gene-altered vaccinated herds, not known to be infected with or exposed to pseudorabies shall be moved interstate directly to a quarantined herd or quarantined feedlot only if:

(1) The swine are accompanied by a permit and such permit is delivered to the consignee; and

(2) The permit in addition to information described in §85.1 states: (i) The pseudorabies status of the herd; (ii) the identification of the swine required by §71.19 of this chapter; (iii) the date of the vaccination for pseudorabies; and (iv) that approval for the interstate movement has been issued by the State animal health official of the State of destination prior to the interstate movement of the swine.

(c) *General movements.* Swine vaccinated for pseudorabies with a glycoprotein I (gpI) deleted gene-altered pseudorabies vaccine and not known to be infected with or exposed to pseudorabies, but that are not from a qualified negative gene-altered vaccinated herd, may be moved interstate to destinations other than those set forth in paragraphs (a) and (b) of this section only if:

(1) The swine are accompanied by a certificate and such certificate is delivered to the consignee; and

(2) The certificate, in addition to the information described in §85.1, states:

(i) The identification required by §71.19 of this chapter;

(ii) That each animal to be moved was vaccinated for pseudorabies with a gpI-deleted gene-altered pseudorabies vaccine;

(iii) That each animal to be moved was subjected to a gpI enzyme-linked immunosorbent assay (ELISA) or a gpI Particle Concentration Fluorescence Immunoassay (PCFIA) approved differential pseudorabies test no more than 30 days prior to the interstate movement and was found negative;

(iv) The date of the gpI ELISA or the gpI PCFIA approved differential pseudorabies test; and

(v) The name of the laboratory that conducted the gpI ELISA or the gpI PCFIA approved differential pseudorabies test.

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[44 FR 10309, Feb. 16, 1979, as amended at 48 FR 57472, Dec. 30, 1983; 50 FR 47352, Nov. 15, 1985; 53 FR 40387, Oct. 14, 1988; 55 FR 19253, May 9, 1990; 59 FR 67133, Dec. 29, 1994; 60 FR 26355, May 17, 1995; 63 FR 17316, Apr. 9, 1998]

§ 85.7 Interstate movement of swine not vaccinated for pseudorabies and not known to be infected with or exposed to pseudorabies.

Swine not vaccinated for/ pseudorabies and not known to be infected with or exposed to pseudorabies shall only be moved interstate in accordance with the following provisions:

(a) *Movement for slaughter.* Swine not vaccinated for pseudorabies and not known to be infected with or exposed to pseudorabies may be moved interstate for slaughter without further restriction under this part directly to a recognized slaughtering establishment or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment.

(b) *Movement to a feedlot, quarantined feedlot, quarantined herd, or approved livestock market.* Swine not vaccinated for pseudorabies and not known to be infected with or exposed to pseudorabies may be moved interstate only if:

(1) The swine are moved from a qualified pseudorabies negative herd directly to a feedlot, quarantined feedlot, quarantined herd, or approved livestock market; or

(2) The swine are moved directly to a feedlot, quarantined feedlot, quarantined herd, or to an approved livestock market for subsequent movement to a feedlot or quarantined feedlot, quarantined herd in accordance with paragraph (c) of this section; or

(3) The swine are moved from a State which requires the State animal health official of that State to be immediately notified of any suspected or confirmed case of pseudorabies in that State and which requires that exposed or infected livestock be quarantined, such quarantine to be released only after having met quarantine release standards no less restrictive than those in the definition of known infected herd in § 85.1, and

(i) The swine are accompanied by an owner-shipper statement and are moved from a farm of origin directly to an approved livestock market; and

(A) The owner-shipper statement is delivered to the consignee, and

(B) The swine are identified at the approved livestock market to the farm of origin by the identification required by § 71.19 of this chapter.

(ii) The swine are accompanied by a certificate and such certificate is delivered to the consignee; the certificate, in addition to the information in § 85.1, states the identification of the farm of origin of each swine being moved by a means of identification required by § 71.19 of this chapter, and approval for the interstate movement has been issued by the State animal health official of the State of destination prior to the interstate movement of the swine, and

(A) The swine are moved directly to a feedlot, quarantined feedlot, quarantined herd or approved livestock market from a farm of origin; or

(B) The swine are moved directly to a feedlot, quarantined feedlot, quarantined herd or approved livestock market from an approved livestock market which received the swine directly from a farm of origin, or

(C) The swine are moved directly to a feedlot, quarantined feedlot, or quarantined herd from an approved livestock market, which received the swine from another approved livestock market, which received the swine directly from a farm of origin.

(c) *General movements.* Swine not vaccinated for pseudorabies and not known to be infected with or exposed to pseudorabies may be moved interstate only if:

(1) The swine are accompained by a certificate and such certificate is delivered to the consignee; and

(2) The certificate, in addition to the information described in § 85.1, states: (i) The identification required by § 71.19 of this chapter; and (ii) that each animal to be moved: (A) Was subjected to an official pseudorabies serologic test within 30 days prior to the interstate movement and was found negative, the test date and the name of the laboratory conducting the test; or (B) is part of a currently recognized qualified pseudorabies negative herd and the date of the last qualifying test; or, (C) is part of a pseudorabies controlled vaccinated herd and is one of the offspring that was subjected to the official pseudorabies serologic test to achieve or maintain the status of the herd as a pseudorabies controlled vaccinated herd, and the date of the last test to maintain said status.

(Approved by the Office of Management and Budget under control number 0579–0069)

[44 FR 10309, Feb. 16, 1979, as amended at 48 FR 57472, Dec. 30, 1983; 50 FR 47352, Nov. 15, 1985; 53 FR 40387, Oct. 14, 1988]

§ 85.8 Interstate movement of swine from a qualified negative gene-altered vaccinated herd.

Swine from a qualified negative gene-altered vaccinated herd, and not known to be infected with or exposed to pseudorabies, may be moved interestate only in accordance with the following provisions:

(a) Without further restriction under this part if:

(1) The swine are moved directly to a recognized slaughtering establishment, or directly through one or more slaughter markets and then directly to a recognized slaughtering establishment; or

(2) The swine are moved directly to a feedlot, quarantined feedlot, or approved livestock market; or

(3) The swine are moved from an approved livestock market to a feedlot, quarantined feedlot, or other approved livestock market.

(b) For all interstate movements other than those set forth in paragraph (a) of this section, the swine must be accompanied by a certificate, and the certificate must be delivered to the consignee. In addition to the information required by §85.1 of this part, the certificate must state: (1) That the swine are from a qualified negative gene-altered vaccinated herd; (2) The date of the herd's last qualifying test; (3) The identification for the swine to be moved interstate, in accordance with §71.19 of this chapter; and (4) If the swine to be moved are official gene-altered pseudorabies vaccinates, the official gene-altered pseudorabies vaccine used in the herd.

[55 FR 19253, May 9, 1990]

§ 85.9 Other interstate movements.

The Administrator may, upon request in specific cases, permit the interstate movement of livestock not otherwise provided for in this part under such conditions as he may prescribe to prevent the spread of pseudorabies. The Animal and Plant Health Inspection Service intends that such authority be used only in situations and under circumstances presenting problems that could not have been reasonably anticipated in advance and in unique situations. The Animal and Plant Health Inspection Service does not intend that such authority be used repeatedly to cover the same problem, but that the regulation be amended to conform with needed changes as they come to light.

[44 FR 10309, Feb. 16, 1979, as amended at 54 FR 21049, May 16, 1989. Redesignated at 55 FR 19253, May 9, 1990]

§ 85.10 Interstate movement of swine semen and swine embryos for insemination of or implantation into swine.

Swine semen and swine embryos moved interstate for insemination of swine or implantation into swine shall be accompanied by a document issued by an accredited veterinarian stating that the donor swine are not known to be infected with or exposed to pseudorabies, were negative to an official pseudorabies serologic test within 30 days prior to the collection of the semen or embryos or were members of a qualified pseudorabies negative herd, and had not been exposed to pseudorabies within 30 days prior to the collection of the semen or embryos.

(Approved by the Office of Management and Budget under control number 0579–0032)

[44 FR 10309, Feb. 16, 1979, as amended at 50 FR 47353, Nov. 15, 1985. Redesignated at 55 FR 19253, May 9, 1990; 59 FR 67133, Dec. 29, 1994]

§ 85.11 Permits and certificates.

(a) Each permit, certificate or owner-shipper statement required under this part to accompany swine interstate shall be delivered with the swine to the consignee by the person delivering the swine.

(b) A copy of each permit or certificate required under this part to accompany swine interstate shall be mailed or delivered to the State animal health official of the State of destination by the person issuing the document within 3 days of the interstate movement of the swine covered by said document.

(Approved by the Office of Management and Budget under control number 0579–0069)

[44 FR 10309, Feb. 16, 1979, as amended at 48 FR 57472, Dec. 30, 1983. Redesignated at 55 FR 19253, May 9, 1990]

§ 85.12 Cleaning and disinfecting means of conveyance.

All means of conveyance used in connection with the interstate movement of pseudorabies infected or exposed livestock shall be cleaned and disinfected in accordance with §71.7 of this chapter using one of the disinfectants registered under the Federal Insecticide, Fungicide and Rodenticide Act, as amended (7 U.S.C. 135 *et seq.*) with herpes virucidal claims. These disinfectants shall be used in accordance with directions on their labels accepted in connection with their registration.

[44 FR 10309, Feb. 16, 1979, as amended at 62 FR 27937, May 22, 1997]

§ 85.13 Cleaning and disinfecting livestock markets and other facilities.

Livestock markets and other facilities used in connection with the interstate movement of pseudorabies infected or exposed livestock shall be cleaned and disinfected in compliance with § 71.7 of this chapter using one of the disinfectants registered under the Federal Insecticide, Fungicide and Rodenticide Act, as amended (7 U.S.C. 135 *et seq.*) with herpes virucidal claims. These disinfectants shall be used in accordance with directions on their labels accepted in connection with their registration.

[44 FR 10309, Feb. 16, 1979, as amended at 62 FR 27937, May 22, 1997]

PART 89—STATEMENT OF POLICY UNDER THE TWENTY-EIGHT HOUR LAW

Sec.

89.1 Amount of feed.
89.2 Two or more feedings at same station.
89.3 Feeding, watering, and resting livestock in the car.
89.4 Watering.
89.5 Feeding pens.

AUTHORITY: 34 Stat. 607; 45 U.S.C. 71–74; 19 FR 74, as amended.

SOURCE: 28 FR 5967, June 13, 1963, unless otherwise noted.

§ 89.1 Amount of feed.

(a) Under normal conditions, the amount of feed designated in the following schedule will be considered as sustaining rations for livestock in transit when fed at the intervals required by the Twenty-Eight Hour Law:

Species and quantity of livestock	At first feeding station	At second and subsequent feeding stations
Cattle and beef type or range calves (for each car [1])	200 lbs. of hay [1, 2]	300 lbs. of hay.[1, 2]
Dairy calves (for each car deck [1])	100 lbs. of hay [1, 2]	150 lbs. of hay.[1, 2]
Horses and mules (for each car [1])	400 lbs. of hay [1, 2]	400 lbs. of hay.[1, 2]
Sheep and goats (for each car deck [1])	200 lbs. of hay [1, 2]	300 lbs. of hay.[1, 2]
Lambs and kids (for each car deck [1])	100 lbs. of hay [1, 2]	150 lbs. of hay.[1, 2]
Swine (for each carload lot, in single or double deck car, the amount of shelled corn [2] indicated):		
Lots of not more than 18,000 lbs	2 bushels	2 bushels.
More than 18,000 lbs. but not more than 21,000 lbs	2½ bushels	2½ bushels.
More than 21,000 lbs. but not more than 24,000 lbs	3 bushels	3 bushels.
More than 24,000 lbs. but not more than 27,000 lbs	3½ bushels	3½ bushels.
More than 27,000 lbs. but not more than 30,000 lbs	4 bushels	4 bushels.
More than 30,000 lbs.—proportionately larger amounts		

[1] The requirements set forth the sustaining rations for a full load of livestock in a railroad car 40 feet in length. The requirements for a full load of livestock in railroad cars of different sizes should be modified proportionately, i.e., a load of livestock transported in a car 50 feet in length would require an additional 25 percent of feed or 2.5 percent for each additional foot of car over 40 feet.

[2] Or the equivalent in other suitable feed. Dairy calves too young to eat hay or grain, or shipped without their dams, should be given a sufficient amount of prepared calf feed, milk, raw eggs, or other suitable feed. All feed should be of good quality.

(b) When the owner of a consignment of livestock desires that they be fed larger amounts of feed than those designated in paragraph (a) of this section for the particular kind and quantity of livestock, or the carrier believes that they should be fed larger amounts, the amounts to be fed should be agreed upon, if practicable, by the owner and the carrier at the time the animals are offered for shipment.

(c) When emergency conditions arise, such as severe changes in the weather, which increase the rigors of transportation, the livestock should receive amounts of feed, additional to those designated in paragraph (a) of this section, sufficient to sustain them until they arrive at the next feeding station or destination.

(d) When the movement of livestock is delayed en route so that the period of their confinement in the cars materially exceeds that specified by the Twenty-Eight Hour Law, the livestock should receive additional feed in proportion to such excess time.

§ 89.2 Two or more feedings at same station.

When livestock are held at a feeding station 12 hours after the last previous

feed has been substantially consumed, they should again be fed the ration prescribed by § 89.1(a) for that station: *Provided, however,* That they may be held without such feeding for a period longer than 12 hours if the time they are so held, added to the time required to reach the next feeding station or destination, whichever is closer, would not ordinarily exceed 40 hours.

§ 89.3 Feeding, watering, and resting livestock in the car.

(a) Livestock should be unloaded into pens of the character described in § 89.5(a) for feeding, watering, and resting, unless there is ample room in the car for all of the animals to lie down at the same time.

(b) If livestock are watered in the car, adequate facilities should be provided and ample water furnished to insure all the animals an opportunity to drink their fill. In the case of hogs, water should be available for not less than 1 hour.

(c) Livestock unloaded for feed and water and returned to the car for rest should be allowed to remain in the pens not less than 2 hours.

(d) Livestock unloaded for water and returned to the car for feed and rest should be allowed to remain in the pens not less than 1 hour.

(e) When livestock are fed in the car, the feed should be evenly distributed throughout the car.

§ 89.4 Watering.

Livestock should be furnished an ample supply of potable water. Water treated with chemicals for industrial or boiler use, or taken from streams or ponds containing sewage, mud, or other objectionable matter should not be used. Troughs and other receptacles should be clean. In cold weather, the water should be free from ice.

§ 89.5 Feeding pens.

(a) Stock pens and other enclosures for feeding, watering, and resting livestock in transit should have (1) sufficient space for all of the livestock to lie down at the same time, (2) properly designed facilities for feeding and watering the livestock, (3) reasonably well-drained, clean, and safe floors of concrete, cinders, gravel, hard-packed earth, or other suitable material, and (4) suitable protection from weather reasonably to be expected in the region in which the pens are located.

(b) Care should be taken to protect livestock unloaded en route at a point having marked difference in temperature from that at the point from which they were shipped.

SUBCHAPTER D—EXPORTATION AND IMPORTATION OF ANIMALS (INCLUDING POULTRY) AND ANIMAL PRODUCTS

PART 91—INSPECTION AND HANDLING OF LIVESTOCK FOR EXPORTATION

Subpart A—General Provisions

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91.2 Animals to be handled in compliance with regulations.
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91.14 Ports of embarkation and export inspection facilities.
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91.17 Accommodations for humane treatment of animals on ocean vessels.
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91.28 Stanchions and rails.
91.29 Hatches.
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Subpart E—Cleaning and Disinfecting of Aircraft

91.41 Cleaning and disinfecting of aircraft.

AUTHORITY: 21 U.S.C. 105, 112, 113, 114a, 120, 121, 134b, 134f, 136, 136a, 612, 613, 614, and 618; 46 U.S.C. 466a and 466b; 49 U.S.C. 1509(d); 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 42 FR 28990, June 7, 1977, unless otherwise noted.

Subpart A—General Provisions

§ 91.1 Definitions.

Whenever in the regulations in this part the following terms are used, they shall be construed as follows:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Horses, cattle (including American bison), captive cervids, sheep, swine, and goats.

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Department. The United States Department of Agriculture.

Horses. Horses, mules, and asses.

Inspector. An inspector of the Animal and Plant Health Inspection Service.

Miniature swine. Swine bred and raised as pets or for laboratory testing purposes that do not weigh more than 100 pounds at maturity.

Official brucellosis vaccinate. A female bovine animal vaccinated against brucellosis in accordance with the provisions prescribed in the Recommended brucellosis Eradication Uniform Methods and Rules, chapter 1, part I–H, I, and J. The provisions of the Uniform Methods and Rules are hereby incorporated by reference.

Origin health certificate. An official document issued by an APHIS representative or an accredited veterinarian at the point of origin of a shipment of animals to be moved under this part, which shows the identification tag, tattoo, or registration number or similar identification of each animal to be moved, the number, breed, sex, and approximate age of the animals covered by the document, the date and place of issuance, the points of origin and destination, the consignor, and the consignee, and which states that the animal or animals identified on the certificate meet the export health requirements.

Premises of origin. The farm or other premises where the animals intended for export are being raised or assembled, or both, immediately before movement for export.

Roofing paper. Any saturated roofing paper of a grade known to the trade as 30–pound roofing paper.

State of origin. The State in which the premises of origin is located.

Veterinary Services. The Veterinary Services, Animal and Plant Health Inspection Service of the Department.

[42 FR 28990, June 7, 1977, as amended at 53 FR 51746, Dec. 23, 1988; 57 FR 23047, June 1, 1992; 57 FR 39353, Aug. 31, 1992; 63 FR 72129, Dec. 31, 1998]

§ 91.2 Animals to be handled in compliance with regulations.

No animals covered by the regulations in this part shall be exported to a foreign country except in compliance with the provisions in this part.

§ 91.3 General export requirements.

(a) All animals intended for exportation to a foreign country, except animals intended for exportation by land to Mexico or Canada, shall be accompanied from the State of origin of the export movement to the port of embarkation by an origin health certificate. All animals intended for exportation by land to Mexico or Canada shall be accompanied from the State of origin of the export movement to the border of the United States by an origin health certificate. The origin health certificate shall certify that the animals were inspected within the 30 days prior to the date of the movement of the animals for export, and were found to be healthy and free from evidence of communicable disease and exposure thereto. The origin health certificate shall be endorsed by an authorized APHIS veterinarian in the State of origin, and shall include any test results added by such authorized APHIS veterinarian pursuant to § 161.3(k) of this chapter (any added test results shall be initialed by such authorized APHIS veterinarian). The origin health certificate shall individually identify the animals in the shipment as to species, breed, sex, and age, and, if applicable, shall also show registration name and number, tattoo markings, or other natural or acquired markings. The origin health certificate shall include all test results, certifications, or other statements required by the foreign country of destination.

(b) *Inspection.* All animals in each export shipment, except animals intended for export by land to Mexico or Canada, shall have been inspected, tested, or treated in the manner prescribed in this part prior to the movement of the export shipment to the export inspection facility. All animals in each export shipment intended for export by land to Mexico or Canada shall have been inspected, tested, or treated in the manner prescribed in this part prior to the movement of the animals from the State of origin. The Administrator may, upon request of the appropriate animal health official of the country of destination, waive the tuberculosis and brucellosis tests referred to in §§ 91.5(a) and (b), 91.6(a)(1) and (2), and 91.9(a) of this part when he finds such tests are not necessary to prevent the exportation of diseased animals from the United States.

(c) *Testing.* All samples for tests required by §§ 91.5 through 91.13 for exportation of animals under this section shall be taken by an inspector or an accredited veterinarian in the State of origin of the export movement. Such samples shall be taken and tests made within the 30 days prior to the date of movement of the animals for export from the premises of origin, except that the Administrator may permit such sampling or tests to be made more than 30 days prior to the date of export, if required by the receiving country

and the tuberculin test may be conducted within the 90 days prior to the date of the movement of the animals for export. The test for brucellosis shall be conducted in a cooperating State-Federal laboratory[1] in accordance with the Recommended Brucellosis Eradication Uniform Methods and Rules.

(d) *Movement in cleaned and disinfected carriers or containers.* The origin health certificate accompanying animals shall be accompanied by a statement from the issuing accredited veterinarian or inspector that the means of conveyance or container has been cleaned and disinfected since last used for animals with a disinfectant approved under §71.10 of this chapter, prior to loading, or that the carrier or container has not previously been used in transporting animals.

(e) *Clean and disinfected facilities for unloading animals.* Animals intended for exportation to Mexico or Canada or enroute to a port of embarkation shall be unloaded only into a facility which shall have been cleaned and disinfected with a disinfectant approved under §71.10 of this chapter, under the supervision of an inspector or an accredited veterinarian prior to such unloading. A statement certifying to such action shall be attached to the origin health certificate by the supervising inspector or accredited veterinarian.

(Approved by the Office of Management and Budget under control number 0579–0020)

[42 FR 28990, June 7, 1977, as amended at 44 FR 28298, May 15, 1979. Redesignated and amended at 45 FR 86412, Dec. 31, 1980; 48 FR 57472, Dec. 30, 1983; 57 FR 23047, 23048, June 1, 1992; 59 FR 48994, Sept. 26, 1994; 59 FR 67613, Dec. 30, 1994; 60 FR 4536, Jan. 24, 1995; 60 FR 9611, Feb. 21, 1995; 60 FR 13898, Mar. 15, 1995]

§91.4 Other movements and conditions.

The Administrator may, upon request in specific cases, permit the exportation of livestock not otherwise provided for in this part under such conditions as he may prescribe in each specific case to prevent the spread of livestock diseases and to insure the humane treatment of the animals while in transit.

[43 FR 27171, June 23, 1978. Redesignated at 45 FR 86412, Dec. 31, 1980, and amended at 57 FR 23047, June 1, 1992]

Subpart B—Diagnostic Tests, Treatments

SOURCE: 45 FR 86412, Dec. 31, 1980, unless otherwise noted.

§91.5 Cattle.

In order to be eligible for export, cattle shall be tested with results as specified in this section, and the origin health certificate shall specify the type of tests conducted, the dates of the tests, and the results of the tests.

(a) *Tuberculosis.* All cattle over 1 month of age shall be negative to a caudal intradermal tuberculin test using 0.1 ml. of tuberculin with a reading obtained 72 hours (plus or minus six hours) after injection as prescribed in Veterinary Services Memorandum 552.15 ''Instructions and Procedures for Conducting Tuberculin Tests in Cattle,'' section VIII A.[2]

(1) *Provided that,* such tests are not required for any of the following:

(i) Cattle exported directly to slaughter in a country that the Administrator has determined has an acceptable tuberculosis surveillance system at slaughter plants and that agrees to share any findings of tuberculosis in U.S. origin cattle with APHIS; or

(ii) Cattle exported directly to slaughter from a State designated as an Accredited-Free State in 9 CFR 77.1.

(2) The Administrator has determined that the following countries have an acceptable tuberculosis surveillance system at slaughter plants: Canada and Mexico.

(b) *Brucellosis.* All cattle over 6 months of age shall be negative to a test for brucellosis conducted as prescribed in ''Standard Agglutination Test Procedures for the Diagnosis of

[1] A list of cooperating State-Federal laboratories may be obtained from the Administrator, Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road, Unit 38, Riverdale, Maryland 20737–1231.

[2] Copies of this publication may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road, Riverdale, Maryland 20737–1231.

Brucellosis''[2] or ''Supplemental Test Procedures for the Diagnosis of Brucellosis.''[2]

(1) *Provided that,* such tests are not required for any of the following:

(i) Official vaccinates of dairy breeds under 20 months of age;

(ii) Official vaccinates of beef breeds under 24 months of age;

(iii) Steers and spayed heifers;

(iv) Cattle exported directly to slaughter in a country that the Administrator has determined has an acceptable brucellosis surveillance system at slaughter plants and that agrees to share any findings of brucellosis in U.S. origin cattle with APHIS; or

(v) Cattle exported directly to slaughter from a State designated as a Class Free State in 9 CFR 78.41.

(2) The Administrator has determined that the following country has an acceptable brucellosis surveillance system at slaughter plants: Canada.

(c) *Treatment for ectoparasites.* All cattle, except those found free of ectoparasites or those intended for exportation for slaughter purposes to any foreign country, shall be treated for ectoparasites within 30 days preceding the date of export. Such treatment shall be made using a pesticide registered by the Environmental Protection Agency for use in treating animals infested with the ectoparasite involved in accordance with the label requirements. Treatment shall be personally supervised and certified on the origin health certificate by an accredited veterinarian who shall be ready to apply an antidote if adverse side effects occur following treatment.

(Approved by the Office of Management and Budget under control number 0579–0020)

[45 FR 86412, Dec. 31, 1980, as amended at 48 FR 57472, Dec. 30, 1983; 55 FR 12634, Apr. 5, 1990; 56 FR 366, Jan. 4, 1991; 57 FR 23047, June 1, 1992; 59 FR 67614, Dec. 30, 1994; 60 FR 4536, Jan. 24, 1995; 60 FR 13898, Mar. 15, 1995; 61 FR 6918, Feb. 23, 1996; 62 FR 3446, Jan. 23, 1997]

§ 91.6 Goats.

(a) In order to be eligible for export, goats shall be tested with results as specified in this section, and the origin health certificate for such animals shall specify the type of test conducted, the date of the tests, and the results of the tests.

(1) *Tuberculosis.* All goats over 1 month of age shall be negative to a caudal intradermal tuberculin test using 0.1 ml. of tuberculin with a reading obtained 72 hours (plus or minus 6 hours) after injection as prescribed in Veterinary Services Memorandum 552.15.

(2) *Brucellosis.* Dairy and breeding goats shall be negative to a plate or tube agglutination test for brucellosis as prescribed in ''Standard Agglutination Test Procedures for the Diagnosis of Brucellosis.''[2]

(3) No goat shall be exported if it is a scrapie-positive animal or an exposed animal, as defined in 9 CFR parts 54 and 79, or if it has ever been in an infected flock, source flock, or trace flock, as defined in 9 CFR parts 54 and 79; or if it is the progeny, parent, or sibling of any scrapie-positive animal.

(4) Goats exported for immediate slaughter need not comply with the requirements of paragraphs (a)(1), (2), (3), and (5) of this section.

(5) All goats intended for export shall be identified by eartags or tattoos approved by the Administrator, except that goats for export to Canada or Mexico for immediate slaughter may be identified by flock brands.

(Approved by the Office of Management and Budget under control number 0579–0020)

[45 FR 86412, Dec. 31, 1980, as amended at 48 FR 57472, Dec. 30, 1983; 57 FR 23048, June 1, 1992; 59 FR 48994, Sept. 26, 1994; 60 FR 4536, Jan. 24, 1995]

§ 91.7 Captive cervids.

To be eligible for export, a captive cervid must be accompanied by an origin health certificate stating that the captive cervid has tested negative to an official single cervical tuberculin test for tuberculosis, as described in part 77, subpart B, of this chapter, within 90 days prior to export. The origin health certificate must specify the date the test was conducted and the test results.

[63 FR 72129, Dec. 31, 1998]

§ 91.8 Sheep.

(a) No sheep shall be exported if it is a scrapie-positive animal or an exposed

[2] See footnote 2 to § 91.5.

animal, as defined in 9 CFR parts 54 and 79, or if it has ever been in an infected flock, source flock, or trace flock, as defined in 9 CFR parts 54 and 79; or if it is the progeny, parent, or sibling of any scrapie-positive animal.

(1) Sheep exported for immediate slaughter need not comply with the requirements of paragraph (a)(2) of this section.

(2) All sheep intended for export shall be identified by eartags or tattoos approved by the Administrator.[3] except that sheep for export to Canada or Mexico for immediate slaughter may be identified by flock brands.

(Approved by the Office of Management and Budget under control number 0579–0020)

[45 FR 86412, Dec. 31, 1980, as amended at 57 FR 23047, 23048, June 1, 1992; 59 FR 48994, Sept. 26, 1994; 59 FR 67133, Dec. 29, 1994; 59 FR 67614, Dec. 30, 1994; 61 FR 6918, Feb. 23, 1996]

§91.9 Swine.

(a) No swine shall be exported if they were fed garbage at any time. The swine shall be accompanied by a certification from the owner stating that they were not fed garbage, and that any additions to the herd made within the 30 days immediately preceding the export shipment, have been maintained isolated from the swine to be exported. All breeding swine shall be tested for and show negative test results to brucellosis by a test prescribed in ''Standard Agglutination Test Procedures for the Diagnosis of Brucellosis'' or ''Supplemental Test Procedures for the Diagnosis of Brucellosis''. The test results shall be classified negative in accordance with the provisions prescribed in the Recommended Brucellosis Eradication Uniform Methods and Rules, chapter 2, part II, G, 1, 2, and 3.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0020)

[45 FR 86412, Dec. 31, 1980, as amended at 59 FR 67133, Dec. 29, 1994]

[3] Information concerning eartags or tattoos approved by the Administrator may be obtained, upon request, from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

Subpart C—Ports of Embarkation, Facilities, Health Certification

§91.14 Ports of embarkation and export inspection facilities.

(a) The following ports which have export inspection facilities which satisfy the requirements of paragraph (c) of this section are hereby designated as ports of embarkation. All animals, except animals being exported by land to Mexico or Canada, shall be exported through said ports or through ports designated in special cases under paragraph (b) of this section:

(1) *California.*

(i) Los Angeles—airport and ocean port.

(A) Jet Pets, Inc., 9014 Pershing Drive, Plaza del Rey, CA 90291, (213) 823–8901.

(B) Valley Livestock, 14380 South Euclid Avenue, Chino, CA 91710, (909) 597–1756.

(ii) San Francisco—airport and ocean port.

(A) Cow Palace, P.O. Box 34206, San Francisco, CA 94134, (415) 469–6000.

(B) Petair, 145 Bel Air Road, P.O. Box 2431, South San Francisco, CA 94080, (415) 877–0200.

(2) *Florida.*

(i) Miami—airport and ocean port.

(A) USDA Import-Export Center, 6300 NW. 36th Street, P.O. Box 523054, Miami, FL 33152, (305) 526–2828.

(ii) Tampa—ocean port.

(A) Tampa Port Authority, 2703 E. 7th Avenue, Tampa, FL 33605, (813) 248–1924.

(3) *Georgia.*

(i) Atlanta Hartsfield International Airport.

(A) Atlanta Equine Complex, 1270 Woolman Place, Atlanta, GA 30354, (404) 767–1700.

(B) Tumbleweed Farm (horses only), 1677 Buckner Road, Mableton, GA 30059, (770) 948–3556.

(C) Southern Cross Ranch (horses only), 1670 Bethany Church Road, Madison, GA 30650, (706) 342–8027.

(4) *Hawaii.*

(i) Honolulu—airport and ocean port.

(A) Hawaii State Quarantine Station, 99–762 Moanalua Road, Aiea, Hawaii 96701, (808) 487–5351.

(5) *Illinois.*

(i) Chicago—airport only.

(A) C&R Midwest Quarantine Facilities, Ltd., Box 470, Route 31, Dundee, IL 60118, (312) 426–5009.

(B) Knief Quarantine Facility, 11 N 470 Chapman Road, Box 305, Burlington, Illinois 60109, (312) 683–3873.

(6) *Kentucky.*

(i) Greater Cincinnati Airport, Covington; and Standiford Field Airport, Louisville—airport only.

(A) Newton Paddocks (horses only), Barn No. 8, Newton Pike, Lexington, KY 40511, (606) 253–3456.

(7) *Louisiana.*

(i) New Iberia—airport only.

(A) Acadiana Regional Airport, Star R–3, Box 390–H (ARA), New Iberia, LA 70560, (318) 365–7204.

(8) *Massachusetts.* (i) Boston—airport only.

(A) Logan International Airport (miniature swine only), East Boston, Massachusetts 02128, (617) 565–4649.

(9) *Minnesota.*

(i) Minneapolis/St. Paul—airport only.

(A) American Livestock Export Company, 25789 Northfield Blvd., Hampton, MN 55031, (612) 831–3873.

(B) Cannon Export Center, 2870 Rochester Blvd., Cannon Falls, MN 55009, (507) 263–3064.

(10) Missouri.

(i) Kansas City—airport only.

(A) KCI Multipurpose Export Facility, 12600 NW Prairie View Road, Kansas City, MO 64195, (314) 751–4338 (mailing address: P.O. Box 20462, Kansas City, MO 64195–0462).

(11) *New Jersey.*

(i) Elizabeth—ocean port.

(A) Tolleshunt Horse Farm (horses only), 10 Island Road, Box 469, Whitehouse, NJ 08888–0469, (908) 534–7738.

(B) The U.S. Equestrian Team's headquarters (horses only), Pottersville Road, Gladstone, NJ 07934, (908) 234–1251.

(ii) Newark International Airport.

(A) Tolleshunt Horse Farm (horses only), 10 Island Road, Box 469, Whitehouse, NJ 08888–0469, (908) 534–7738.

(B) The U.S. Equestrian Team's headquarters (horses only), Pottersville Road, Gladstone, NJ 07934, (908) 234–1251.

(iii) Salem—ocean port.

(A) Mannington Meadows Farm (horses only), 60 Oechsle Road, Woodstown, NJ 08098, (609) 769–2009.

(12) *New York.*

(i) New York—airport and ocean port.

(A) Tolleshunt Horse Farm (horses only), 10 Island Road, Box 469, Whitehouse, NJ 08888–0469, (908) 534–7738.

(B) The U.S. Equestrian Team's headquarters (horses only), Pottersville Road, Gladstone, NJ 07934, (908) 234–1251.

(C) Vetport, Inc., Bldg. 189, J.F. Kennedy International Airport (Cargo Area), Jamaica, NY 11430, (212) 656–6042.

(13) *Ohio.*

(i) Wilmington—airport only.

(A) Airborne Express Animal Export Facility, 145 Hunter Drive, Wilmington, Ohio 96701, (513) 382–5591.

(14) *Pennsylvania.*

(i) Harrisburg—airport only.

(A) Penn. Holstein Farm Export Inspection Facility, R.D. #1, Middletown, PA 17057, (717) 944–1374.

(15) *Puerto Rico.*

(i) San Juan—airport.

(A) El Commandante Race Track (Horses Only), P.O. Box 1304, Rio Piedras, PR 00929, (809) 724–6060.

(16) *Texas.*

(i) Brownsville—airport, ocean port, and border port.

(A) Texas Department of Agriculture, Livestock Inspection Facility, International Airport, Brownsville, TX 78520, (512) 546–5135.

(ii) Dallas/Fort Worth International Airport.

(A) DFW Quarantine (horses only), 1010 A Chinn Chapel Road, Lewisville, TX 75067, (214) 317–6861.

(B) [Reserved]

(iii) Del Rio—border port.

(A) Texas Department of Agriculture, Livestock Export Facility, Box 1046, Del Rio, TX 78840, (512) 775–1518.

(iv) Eagle Pass—border port.

(A) Texas Department of Agriculture, Livestock Export Facility, Box 1164, Eagle Pass, TX 78852, (512) 773–2359.

(v) El Paso—border port.

(A) Texas Department of Agriculture, Livestock Export Facility, 10800 Socorro Drive, El Paso, TX 79927, (915) 543–7419.

(vi) Houston—airport and ocean port.

(A) Texas Department of Agriculture, Livestock Export Facility, Box 60107, AMF, Houston, TX 77205, (713) 443–2447.

(vii) Laredo—airport and border port.

(A) El Primero Equine Export Facility (horses only), Route 7, Box 305, Laredo, TX 78041, (512) 723–5436.

(B) Texas Department of Agriculture, Livestock Export Facility, Route 1, Box 67–P, Laredo, TX 78040, (512) 722–6308.

(17) *Virginia.*

(i) Richmond—airport and ocean port.

(A) American Marketing Services, Inc., 1301 Hermitage Road, Richmond, VA 23220, (804) 359–4433.

(18) *Washington.*

(i) Moses Lake—airport only.

(A) Port of Moses Lake, Grant County Airport, Terminal Bldg., Moses Lake, WA 98837, (509) 762–5363.

(ii) Seattle—airport and ocean port.

(A) Stevedoring Service of America, 3415 11th Avenue SW., Seattle, WA 98134, (800) 422–3505.

(iii) Olympia—ocean port.

(A) Port of Olympia Animal Export Facility, 915 Washington Street NE., Olympia, Washington 98507–0827, (206) 586–6150.

(iv) Tacoma—airport and ocean port.

(A) Pacific Rim Livestock Quarantine, 17835 Highway 507 SE., Yelm, WA 98507, (206) 458–1762.

(b) In special cases, other ports may be designated as ports of embarkation by the Administrator, with the concurrence of the Director of Customs, when the exporter can show to the satisfaction of the Administrator that the animals to be exported would suffer undue hardship if they are required to be moved to a port of embarkation listed in §91.14(a). Such ports shall be designated only if the inspection facilities are approved as meeting the requirements of paragraph (c) of this section.

(c) *Standards for export inspection facilities.* Inspection facilities located at ports of embarkation designated under paragraph (a) of this section, and inspection facilities designated in special cases under paragraph (b) of this section, shall meet the following requirements:

(1) *Materials.* Floors of pens, alleys, and chutes shall be made of impervious materials and finished so as to be skid-resistant. Impervious floors are those constructed of a material that resists the absorption of fluids. Such materials include concrete, asphalt, brick, metal, or other synthetic material that may be cleaned and disinfected. Fences, gates, and other parts of the facility shall be constructed of wood, metal, or other material that will securely restrain the animals in a safe and humane manner. The facility shall have a roof adequate to protect the animals from inclement weather over at least three-fourths of the pens and alleys and over all of the inspection area.

(2) *Size.* The facility shall be large enough to accommodate all the animals in a single export shipment at one time. A minimum space twice the rate required per animal in §91.25(b) shall be provided for each animal. Facilities that inspect horses must have ceilings at least 12 feet high in any areas where horses are inspected.

(3) *Inspection implements.* The facility shall have a separate area available for inspection and identification of the animals. Pens and animal restraining devices shall be provided in this area which are sufficient for the inspection and identification of each animal. Pens or yards shall be provided for appropriate segregation, treatment, or both, of animals of questionable health status apart from animals qualified for exportation under this part.

(4) *Cleaning and disinfection.* The facility and equipment shall be cleaned and disinfected with a disinfectant permitted under §71.10 of this chapter under the supervision of a Federal inspector prior to entry of each export shipment into the export inspection facility. Personnel tending the animals shall, if they come in contact with animals outside of the facility, be required to change or sanitize their outer clothing and footwear. All facilities must have running water available to wash and disinfect the facilities. On and after March 23, 1995, facilities to be approved must have a drainage system; and, on and after March 23, 1997, every facility approved before March 23, 1995, must have a drainage system. The drainage system must control surface drainage into or from the facility in a manner that prevents any significant

risk of livestock diseases being spread into or from the facility.

(5) *Feed and water.* An ample supply of running, potable water shall be made available to the animals intended for export, and in cold weather such water shall be kept free of ice. Feed and feeding facilities appropriate for the animals intended for export shall be provided.

(6) *Access; approval of arrangements.* Access to all parts of the facility shall be allowed to an inspector at all times, day or night, and the arrangement for handling the animals shall be subject to the approval of the inspector. Approval shall be granted by the inspector if he finds that such arrangements will not permit the dissemination of communicable diseases of livestock to the animals in the export shipment.

(7) *Testing and treatment.* Testing and treatment of animals in export inspection facilities shall be performed by an accredited veterinarian under the supervision of an APHIS veterinarian. Tests related to APHIS animal disease programs shall be performed in accordance with the Recommended Brucellosis Eradication Uniform Methods and Rules.

(8) *Location.* The arrangement and location of the facilities shall provide for the isolation of all animals in the facility from contact with any other animals. Isolation of separate export shipments in the facility shall be at the discretion of the inspector.

(9) *Disposal of animal wastes.* The application for approval of an export inspection facility shall be accompanied by a certification from the authorities having jurisdiction over environmental affairs in the locality of the facility stating that the facility complies with the applicable State and local regulations or ordinances and the requirements, if any, of the United States Environmental Protection Agency, regarding disposal of animal wastes.

(10) *Lighting.* The facility shall be equipped with artifical lighting to provide not less than 70 foot candle power in the inspection area and not less than 40 foot candle power in the remainder of the facility.

(11) *Office and rest room.* A suitable office and adequate rest room facilities shall be provided at the export inspection facility site for use of the inspectors. The facility must have a working telephone.

(12) *Walkways.* Facilities where horses are inspected must have walkways in front of horse stalls wide enough to allow APHIS personnel to safely remove horses from the stalls for inspection, if necessary.

(d) *Approval and denial, revocation, or suspension of approval.* Approval of each export inspection facility for designation under paragraph (a) of this section and in special cases under paragraph (b) of this section, shall be obtained from the Administrator. Approval of an export inspection facility under paragraph (a) or (b) will be denied or revoked for failure to meet the standards in paragraph (c) of this section. A written notice at least 60 days prior to the date of any proposed revocation and a written notice of any proposed denial shall be given to the operator of the facility and he will be given an opportunity to present his views thereon. Such notice shall list in detail the deficiencies concerned. Pending a final determination, approval of any facility may be denied or suspended by the Administrator when he has reason to believe that the facility does not meet such standards. Approval of a port of embarkation in connection with the designation of an export inspection facility in a special case shall be limited to the special case for which the designation was made.

(Approved by the Office of Management and Budget under control number 0579–0020)

[42 FR 28990, June 7, 1977]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §91.14, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 91.15 Inspection of animals for export.

(a) All animals offered for exportation to any foreign country, except by land to Mexico or Canada, shall be inspected within 24 hours of embarkation by an APHIS veterinarian at an export inspection facility at a port designated in §91.14(a), or at a port or inspection facility designated by the Administrator in a special case under §91.14(b).

(b) Such animals shall be held for a period of not less than 5 hours at the port of embarkation or export inspection facility during which time the animals shall be given a careful visual health inspection. Sorting, grouping, identification, or other handling of the animals by the exporter may be before or after this period of time. If individual clinical inspection of an animal is deemed necessary by an APHIS veterinarian for the purpose of determining its health status, such inspection may be made during this period of time or thereafter.

(c) *Feed and water.* All animals shall be allowed a period of at least 5 hours for rest at the export inspection facility, with adequate feed and water available, before movement to an ocean vessel or aircraft for loading for export. (This may be the same period required by paragraph (b) for health inspection.) However, feed and water will not be required if the animals were transported to the export inspection facility in a carrier in which adequate feed and water were provided and if sufficient evidence is presented to an APHIS veterinarian that the animals, if under 30 days of age, will arrive in the country of destination within 24 hours after they were last fed and watered, in the United States, or in the case of other animals within 36 hours after they were last fed and watered in the United States

[42 FR 28990, June 7, 1977, as amended at 44 FR 28299, May 15, 1979. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23048, June 1, 1992; 60 FR 4536, Jan. 24, 1995; 60 FR 9611, Feb. 21, 1995]

§91.16 Certification of animals for export.

If, upon inspection by an APHIS veterinarian at the export inspection facility, the animals offered for export are found to be sound, healthy, and free from evidence of communicable disease or exposure thereto, an export certificate, VS Form 17–37, shall be issued by said APHIS veterinarian and shall contain a statement to that effect.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, as amended at 57 FR 23047, 23048, June 1, 1992]

Subpart D—Inspection of Vessels and Accommodations

§91.17 Accommodations for humane treatment of animals on ocean vessels.

(a) The owner or operator of an ocean vessel carrying animals from the United States to a foreign country shall provide, for such animals, feed and water, space, ventilation, fittings, and other facilities aboard the carrier as set forth in this part. For animals embarked for a voyage which will be of more than 36 hours duration, there shall be provided to the satisfaction of the inspector sufficient amounts of suitable feed and fresh water, and proper accommodations shall be provided on board for storage and distribution of the water and feed. The feed shall not be exposed to the weather at sea. However, such feed and water shall not be required if it is determined by the APHIS veterinarian that the animals, if under 30 days of age will arrive in the country of destination within 24 hours after they were last fed and watered in the United States, or, in the case of other animals, within 36 hours after they were last fed and watered in the United States.

(b) Owners masters, or operators of such vessels shall not accept for transportation any animal that in the judgment of the APHIS veterinarian is in an unfit condition to withstand the rigors of such transportation. Further, no animal intended for export shall be placed aboard any ocean vessel, unless in the opinion of the inspector the loading arrangements, fittings, ventilation systems, and the arrangements provided by the vessel for their use reasonably assure arrival of a viable animal in the country of destination. Halters, ropes, or other suitable equipment provided for the handling and tying of horses shall be found to be satisfactory by the APHIS veterinarian to assure humane treatment of the animals.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, as amended at 57 FR 23047, June 1, 1992]

§ 91.18 Cleaning and disinfection of transport carriers for export.

All fittings, utensils and equipment, unless new, to be used in the loading, stowing, or other handling of animals aboard surface vessels under the provisions of this part, shall first be cleaned and disinfected under the supervision of an inspector before being used for, or in connection with, the transportation of animals from any United States port. Such disinfection of halters, ropes, and similar equipment used in handling and tying of animals shall be by immersion in an approved disinfectant. When the surface vessel has last been used to carry livestock to or from a foot-and-mouth disease infected country, the approved disinfectant shall be a freshly prepared solution of:

(a) Sodium carbonate (4 percent) in the proportion of 1 pound to 3 gallons of water.

(b) 4 percent sodium carbonate plus 0.1 percent sodium silicate.

(c) Sodium hydroxide (Lye) prepared in a fresh solution in the proportion of not less than 1 pound avoirdupois of sodium hydroxide of not less than 95 percent purity to 6 gallons of water, or one 13½-ounce can to 5 gallons of water.[7]

For carriers returning from other foreign countries, the approved disinfectant shall be a disinfectant permitted for use under § 71.10, part 71 of this chapter.

[42 FR 28990, June 7, 1977. Redesignated and amended at 45 FR 86413, Dec. 31, 1980; 53 FR 51746, Dec. 23, 1988]

§ 91.19 Inspection of ocean vessels prior to loading.

It shall be the responsibility of the owners or the masters of an ocean vessel intended for use in exporting livestock to present the vessel to an inspector at a United States port of embarkation or at the descretion of the Administrator, upon request of the exporter, transporting company, or their agent, at a foreign port, for an inspection to determine if the fittings aboard the vessel are in compliance with the provisions of this part. A notarized statement from an engineering concern shall be required to certify to the rate of air exchange in each compartment. Such notarized statement shall be required upon first use of such vessel: *Provided,* That such notarized statement may again be required by the Administrator if substantive changes in fittings aboard the vessel have been made since the vessel was last certified.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23047, 23048, June 1, 1992]

§ 91.20 General construction.

A variety of construction materials such as wood, metal plate, or pipe may be used for stalls, crates, or pens aboard ocean vessels. Pipe fittings have the advantage of smooth surfaces, easy maintenance, long range economy and spaces between pipe rails to allow for feeding, watering, cleaning and better ventilation. Material used for stalls, crates, or pens shall be properly formed, closely fitted, and rigidly secured in place. Special care shall be taken to design and finish all edges, welds, and hardware that are accessible to animals. A combination of wood and steel pipe or other steel profile construction may be accepted if the construction complies with the regulations in this part. Where the sides of pens are adjacent to the ship's sides which have steel casing, frames, stays or similar fittings, the carrier shall cover these profiles with wooden battens of at least 2 inch thick lumber or plywood of similar strength to prevent animals from injury.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

§ 91.21 Ventilation.

Each underdeck compartment on which animals are being transported aboard an ocean vessel shall be equipped with a system of mechanical ventilation that will furnish a complete change of air in each compartment every 2 minutes when deck

[7] Due to the extreme caustic nature of sodium hydroxide solution, precautionary measures such as the wearing of rubber gloves, boots, raincoat, and goggles should be observed. An acid solution such as vinegar shall be kept readily available in case any of the sodium hydroxide solution should come in contact with the body.

height[8] is less than 8 feet and every 2½ minutes when the deck height[8] exceeds 8 feet. Spare motors and fans shall be available on board, for replacement or repair of the ventilation system during the voyage. A spare motor and fan of an approved type in working order shall be aboard the vessel for each type of motor or fan used. Net pen space in any compartment shall not exceed 80 percent of the deck area.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec 31, 1980]

§91.22 Protection from heat of boilers and engines.

No animals shall be stowed along the alleyways leading to the engine or boiler rooms unless the sides of said engine or boiler rooms are covered by a tongue and groove tight sheathing producing a 3-inch-wide air space except that on ships powered with internal combustion engines this sheathing may not be required at the discretion of the inspector.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

§91.23 Loading ramps and doors.

(a) Ramps connecting one deck of a ship to another shall have a clear width of 3 feet and a clear height of not less than 6 feet 6 inches. The incline of the ramps shall not exceed 1:2 (26½°) between the ramps and the horizontal plane. The ramps shall be fitted with footlocks of approximately 2″ x 2″ lumber and spaced no more than one foot apart. The ramps shall have side fencing not less than 5 feet in height. Side doors in ship's shell plating through which livestock are to be loaded shall have a height of not less than 6 feet for cattle and 6 feet 6 inches for horses.

(b) Alleyways running fore and aft on the ocean vessel that are used for feeding, watering, and loading animals, including horses in box stalls, shall have a minimum width of 3 feet. However, for a distance not to exceed 8 feet at the end of alleyways in the bow and the stern of ship, and where obstructions of less than 3 feet in length occur, the width may be reduced to a minimum of 24 inches. A sufficient number of athwartship alleyways at least 24 inches in width shall be provided to afford ready access to scuppers and to ends of alleyways running fore and aft. However, on exposed decks where scuppers and the end of fore and aft alleyways are readily accessible athwartship alleyways are not required and if the alleyways are to be used for feeding or watering livestock, but not for loading or unloading of livestock, such alleyways shall have a minimum width of 28 inches.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

§91.24 Attendants.

It shall be the responsibility of the captain of the ocean vessel to carry at least three men on board the vessel who are experienced in the handling of the kind/kinds of livestock to be carried, and a sufficient number of attendants, satisfactory to the inspector or the APHIS veterinarian at the port embarkation to insure proper care of the animals: *Provided, however,* That only one person experienced in the handling of the kind/kinds of livestock to be carried and a sufficient number of attendants, satisfactory to the APHIS veterinarian at the port of embarkation, to insure proper care of the animals must be carried on board the ocean vessel if less than 800 head of livestock are carried.

[42 FR 28990, June 7, 1977, as amended at 43 FR 27171, June 23, 1978. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23047, June 1, 1992]

§91.25 Space requirements for animals on ocean vessels.

(a) *General requirements.* A general space requirement for any individual animal in stalls or crates on ocean vessels shall be six inches more in height, depth, and width than the measurements of the animal concerned. The number of animals in each stall, pen or other container, the cubic inches of air available for each animal, and the ventilation capability of the transporting carrier are other criteria used to determine final space requirements for each animal. Guidelines of space requirements for storage of animals in pens are listed in paragraphs (b) and (c) of

[8] Deck height is the height from the ceiling to the floor.

this section. Final determination of space needed and manner of loading of animals for export shipment will be made by the inspector or the APHIS veterinarian at the port of embarkation, based upon the size and type of animals presented, weather, destination, route, and means of transportation employed for the export shipment.

(b) *Space guidelines:*

	Space in square feet allowed per animal—
Animal weight, pounds:	
100	4.0
150	5.0
200	6.0
250	6.9
300	7.9
350	8.9
400	9.9
450	10.9
500	11.8
550	12.5
600	13.2
650	13.9
700	14.6
750	15.3
800	15.9
850	16.6
900	17.3
950	17.8
1,000	18.4
1,050	18.9
1,100	19.4
1,150	19.9
1,200	20.4
1,250	21.0
1,300	21.5
1,350	22.0
1,400	22.7
1,450	23.3
1,500	24.0
1,550	24.6
1,600	25.3
1,650	25.9
1.700	26.6
1,750	27.2
1,800	27.8

(c) *Space guidelines for containers.* Containers used aboard containerized ocean vessels measure 8 feet in width outside but vary from 7 feet 3 inches to 7 feet 9 inches in width inside and from 17 feet to 40 feet in length. For such containers the space requirements and minimum pen widths shown in the following charts shall be used whenever the length of the animal exceeds the width of the container. For ready measurement of dairy cattle only, the distance from the withers to the pin bone multiplied by 1.65 gives the approximate total length. Length of other cattle and large animals will require measurement of their total length. Other animals larger than those shown in the following charts shall be stowed subject to the approval of the inspector or the APHIS veterinarian at the port of embarkation. Maximum inside length of container pens shall be 12 feet 9 inches.

Weight	Square feet per head	3 head		4 head	
		Square feet	Width	Square feet	Width
CONTAINERS 7′9″ IN WIDTH					
800	18.5	.....	.....	74.0	9′7″
850	19.5	.....	.....	78.0	10′1″
900	20.4	61.2	7′11″	81.6	10′6″
950	21.4	64.2	8′4″	85.6	11′1″
1,000	22.4	67.5	8′9″	90.6	11′7″
1,050	23.4	70.2	9′1″	93.6	12′1″
1,100	24.5	73.5	9′6″	98.0	12′8″
1,150	25.5	76.2	9′10″	.....	.....
1,200	26.5	79.5	10′3″	.....	.....
1,250	27.4	82.2	10′6″	.....	.....
1,300	28.4	85.2	11′0″	.....	.....
1,350	29.6	88.8	11′6″	.....	.....
1,400	30.8	92.4	12′0″	.....	.....
1,450	31.9	95.7	12′4″	.....	.....
1,500	32.9	98.7	12′9″	.....	.....
CONTAINERS 7′3″ IN WIDTH					
700	16.3	.....	.....	65.2	9′9″
750	17.5	52.2	7′3″	70.0	9′8″
800	18.9	56.7	7′9″	75.6	10′5″
850	20.1	60.3	8′3″	80.4	11′1″
900	21.3	63.9	8′9″	85.2	11′9″

Weight	Square feet per head	3 head		4 head	
		Square feet	Width	Square feet	Width
950	22.3	66.9	9′2″	89.2	12′4″
1,000	23.7	71.1	9′8″	.....	.....
1,050	24.8	74.1	10′1″	.....	.....
1,100	26.0	78.6	10′9″	.....	.....
1,150	27.1	81.3	11′3″	.....	.....
1,200	28.4	85.5	11′10″	.....	.....
1,250	29.6	88.8	12′3″	.....	.....
1,300	30.9	92.7	12′9″	.....	.....

(d) *Special requirements.* If an animal to be loaded on an ocean vessel is in the third trimester of pregnancy or the route of the carrier will be into or through a tropical area,[9] the space required for each animal shall be increased by 10 percent. If the animal to be exported is in the third trimester of pregnancy and the route of the vessel will be into or through such area, the space required for such animal shall be increased by 20 percent. (See also paragraph (g). In addition, hospital pens measuring not less than 3 feet by 8 feet for each animal shall be provided at the rate of 3 such pens for each 100 head loaded, except as provided for horses in paragraph (e) of this section.

(e) *Size of stalls or pens for horses on ocean vessels.* Space for horses in pens on ocean vessels shall not be less than 6 feet 6 inches from roof or beams overhead to floor underfoot. Space containing up to 120 square feet may be used for stowage of horses and shall be at least 8 feet but not more than 9 feet in width (thwartship) except that upon approval of the inspector or the APHIS veterinarian at the port of embarkation, pens 7 feet wide may be allowed for medium-sized horses. Single stalls shall be not less than 2½ feet wide. Mares in foal shall be shipped only in separate stalls which shall be not less than 8 feet long by 3 feet wide and for mares due to foal en route and for stallions, stalls shall not be less than 8 feet long by 5 feet wide and shall be readily accessible to ship personnel. Extra stalls suitably located shall be provided in each compartment or on decks where horses are carried so that adequate hospital space can be made available for any horses that become sick or disabled aboard ship. The number of such stalls shall be as follows: One for the first 4 to 10 horses shipped, another for any number in excess of 10 up to and including 25, and still another for each additional 25 horses or fraction thereof.

(f)(1) Except as provided in paragraph (c) of this section, space in pens on ocean vessels for cattle weighing 1000 pounds or more shall be no less than 8 feet in width and 6 feet 3 inches from roof or beams overhead to flooring underfoot, except that when floors are raised over pipes and similar obstructions, a height of not less than 6 feet may be permitted at the discretion of the inspector. Pens for cattle weighing less than 1,100 pounds may not exceed 226 square feet. Pens for cattle weighing 1,100 pounds or more may not exceed 610 square feet. When any such pen includes stanchions, sounding tubes, ventilators, and other obstructions, 20 percent more space for each animal shall be required.

(2) Single stalls in ocean vessels for cattle weighing 1000 pounds or more shall be not less than 8 feet in length by 3 feet in width.

(3) Calves and yearlings may be stowed in pens or stalls at the discretion of the inspector or the APHIS veterinarian at the port of embarkation.

(g) *Space for sheep, goats, and swine on ocean vessels.* Space for sheep, goats, and swine on ocean vessels shall not be less than 3 feet in height and the length and width of pens shall not exceed 15 x 8 feet. An increase of 50 percent square footage shall be required for animals in the third trimester of pregnancy, notwithstanding other provisions in paragraph (d).

[42 FR 28990, June 7, 1977. Redesignated and amended at 45 FR 86413, Dec. 31, 1980; 53 FR 40407, Oct. 17, 1988; 57 FR 23047, June 1, 1992]

[9] The area situated between the Tropic of Cancer and the Tropic of Capricorn.

§ 91.26 Concrete flooring.

(a) Pens aboard an ocean vessel shall have a 3 inch concrete pavement, proportioned and mixed to give 2000 psi. compressive strength in 28 days. The pavement shall have a broom or rough finish. Steel angle bars may be used for footlocks if they are mounted into the flooring in such a way that, at the same time, the bars serve as gutterways. The angle bars shall not be less than 2 inches by 2 inches and 5/16 inches in thickness, and spaced on 12 inch centers running for and aft on the vessel.

(b)(1) *Horses and cattle.* Flooring shall be laid athwartship and secured by placing ends beneath the under side of foot and rump boards or under a 2″ x 4″ strip nailed along these boards. Floors may be either of two types, flush or raised. The flush type shall be constructed of not less than 1″ thick lumber laid flat on the deck. The raised type shall be constructed of not less than 2″ thick lumber nailed to scantlings of at least 2″ x 3″ dimensions laid 2 feet 6 inches apart. If desired, flooring may be laid in portable sections. Flooring will not be required on ships with wooden decks provided footlocks are secured to the decks. Cement or composite material diagonally scored one-half inch deep may be used on iron decks instead of wooden flooring if the footlocks are molded in the same and bolted to the deck.

(2) *Sheep, goats, and swine.* Flooring for sheep, goats, and swine shall be the same as prescribed in this section for horses and cattle, except that the raised flooring need not be greater than 12 inch in thickness.

(3) *Drainage.* Provisions shall be made for drainage of urine and surface water from all parts of the vessel used for carriage of animals including sufficient scuppers. A walkway shall provide easy access to the scuppers.

(c)(1) *Horses and cattle.* In pens for horses or cattle, there shall be four footlocks of 1″ x 4″ lumber laid fore and aft with flat side down, and so placed as to provide in-between spaces of 12, 14, 26, and 14 inches, beginning at inside of the footboard. Additional footlocks shall be added at 14 inch intervals in pens having a depth of 9 feet or more. They shall be well secured with nails of a length that will permit 1 inch clinch in 1 inch flooring and 2 inch penetration in 2 inch flooring.

(2) *Sheep, goats, and swine.* Footlocks in pens for sheep, goats, and swine shall be of not less than 1″ x 2″ lumber, four to each pen, equally distributed and laid in the manner prescribed in paragraph (c)(1) of this section for horses and cattle.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23047, June 1, 1992]

§ 91.27 Troughs and hayracks.

All stalls and pens aboard an ocean vessel shall be equipped with proper troughs for feeding and watering animals as provided in this section. Racks or nets furnished for feeding hay shall be of a type acceptable to the inspector. The feeding of hay to the animals on ocean vessels may be by means of dispensing the hay from racks or nets or by placing the hay on the floor of the pens in which the animals are confined.

(a) *Horses and cattle.* Troughs may be constructed of metal or wood and may be either removable or fixed. The space between the first footlock and footboard may be utilized for feeding cattle, provided a 2″ x 4″ piece of lumber is affixed along the top surface of said footlock so that it, together with the footboard and the battens, will form an enclosure. If wooden troughs are used for feeding, an adequate supply of buckets or other metal containers shall be provided for the proper watering of the animals.

(b) *Sheep, goats, and swine.* Pens for these animals shall have feed troughs not less than 8 inches wide and shall be equipped with proper receptacles for watering. Pens for sheep and goats shall also have ample hayracks suitable for these animals.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

§ 91.28 Stanchions and rails.

(a)(1) Pipes used for stanchions and rails for pens aboard an ocean vessel shall be made of zinc coated, galvanized, extra strong, medium carbon steel. Steel pipes or other steel profiles shall consist of not less than 4 pipes or

profiles, the upper one to have 3 inch diameter and the others a diameter of not less than 2½ inches. Stanchions shall not be of less than 3½ inches diameter; shall not be of less than 5/16 inch thickness and shall not be placed more than 8 feet apart center to center.

(2) Threaded pipe connections shall not be used. All parts shall be cut from factory fabricated, seamless pipe.

(3) Bolt and pin holes shall not be drilled to more than 1/32 inch oversize. Holes shall be properly located and centered on pipe.

(4) Pipe shall not be deformed or weakened by welding such items as reinforcing rods or hinges thereto. Welding shall be used for such attachment to be exposed in the finished work. Pins, plates, and parts other than pipe shall be made of galvanized steel. All areas where galvanizing of the steel has eroded or has been damaged shall be finished with a rust preventative.

(5) Pipe rails shall be placed in proper alignment with tops of all gates at the same height.

(b) All gates of animal pens aboard an ocean vessel shall have smooth finished surfaces and the pivot-pins shall have a minimum diameter of ¾ inch.

(c) Animals may be carried on upper decks of an ocean vessel in space abutting the outside rails or bulwarks only if such rails or bulwarks are 3 feet or more in height from the deck and are of sufficient strength to hold the necessary fittings securely or if the space available is sufficient to permit securing the required fittings to provide the necessary strength. When animals are carried on upper decks, bulkheads shall be erected at all unprotected ends of stalls.

(d)(1) *Cattle and horses.* Rail stanchions for pens aboard an ocean vessel for cattle or horses shall be constructed of not less that 4″ or 6″ lumber set 5 feet apart on centers secured to the ship's rail or bulwark with 5/8 inch or larger bolts or collars and with heels raced to the sheer streak or waterway. Inboard stanchions of 4″ x 6″ lumber shall be set in line with the rail stanchions and properly braced: *Provided, however,* That the method of securing and bracing of stanchions may be modified as approved by the underwriter of the cargo bureau, and the inspector. Information concerning the modifications shall be made available to APHIS, at its request. On open rail ships, spaces between the rails shall be blocked out to permit the affixing of outside planking. If supplementary stanchions are required for rump boards, these shall not be less than 3″ x 4″ in size and shall be secured to beams and decks as outlined above. On upper deck fittings at ends of unprotected stalls, a stanchion not less than 3″ x 4″ in size shall be similarly spaced and secured to beams and decks and properly braced. Stanchions on underdecks shall be constructed, spaced, and secured in the same manner as upper deck fittings.

(2) *Sheep, goats, and swine.* Stanchions for single or double tier pens for sheep, goats, and swine shall be constructed of not less 3″ x 4″ lumber set at not greater distance than 5 feet on centers and secured as outlined in paragraph (d)(1).

(e) For all animals, two beams of 2″ x 6″ lumber shall be bolted on each side of the stanchions using 5/8 inch bolts, nuts, and washers. Beams shall extend from outside planking to at least 2 feet beyond the line of the breast boards unless the beams butt on the ship's deck fittings. Two beams of 2″ x 6″ lumber shall be used to support the roof of single tier pens on exposed decks and the floor of double tier pens on all decks.

(f) All pens for carrying animals on exposed decks aboard an ocean vessel shall be roofed with not less than 1 inch thick, watertight lumber extending from outside planking to at least 2 feet beyond the line of breast boards: *Provided,* That, if tongue and grooved lumber is used, it must be caulked or covered so that it is watertight or if square edged lumber is used it shall be covered with a saturated roofing paper known to the trade as 30 pound roofing paper and shall be securely battened.

(g) All pens for carrying animals on exposed decks shall be provided with outside planking of not less than 1½ inch tongue and groove lumber, laid fore and aft of ship, driven tightly together and securely nailed to backs of stanchions in a manner to cover all open spaces properly. However, during warm weather the top course planking

may be left off in order to allow a free circulation of air. On vessels with closed bulwarks, the outside planking shall extend not less than 6 inches below the upper edge of the bulwark.

(h)(1) *Horses.* All stalls and pens for horses shall be equipped with breast boards of no less than 2″ x 10″ dressed lumber with the top edge placed 3 feet 10 inches from the floor and securely nailed to the stanchions. Where butting occurs, the joints are to be on the stanchions and shall be covered with metal plates 3 inches square or 5 inches in diameter and not less than ¼ inch in thickness. A ⅝ inch bolt shall then be passed through the plate, joint, and stanchion and securely fastened with a nut. All breast boards shall have 1 inch holes bored through them at proper distances for tying animals. An occassional pen shall be provided with a removable breast board in order that animals may be loaded into and removed from the stalls and pens. All stalls and pens shall be provided with foot boards of not less than 2″ x 10″ lumber securely nailed or bolted to the stanchions. At the discretion of the inspector, small ponies, asses, small mules, mares with foal at foot, young unbroken horses or gentle horses of any size may be stowed loose in pens. In these cases, a sufficient number of finished 2″ x 10″ lumber shall be placed between the breast and foot boards to effectively contain the animals.

(2) *Cattle.* All stalls and pens for cattle shall be provided with boards as required for horses in paragraph (a), except that the front or breast boards shall be constructed in sets of three or more boards of 2″ x 10″ dressed lumber separated by 3 inch spacers and placed on the foot board so that the front of the pen extends 48 inches or more in height from the floor. One or more of the breast boards may be left off if feed or water troughs are to be mounted externally.

(3) *Sheep, goats, and swine.* Front boards in pens for sheep, goats, and swine shall be of not less than 1″ x 6″ pieces of lumber approximately spaced and extending to the proper height for these species of animals. Provision shall be made for removing a section of front boards to allow entry of animals into pens or removal therefrom and for feeding or watering.

(i)(1) *Horses and cattle.* Rump boards in pens for horses or cattle shall form a solid wall at least 4 feet high for cattle and 4 feet 6 inches high for horses and shall be of lumber not less than 1½ inches thick if tongued and grooved or 2 inches thick if square edged or of plywood of the same strength. Where the deck is clear of obstructions, rump boards may be set on the inside of the rail stanchions. When this is not possible, sections so affected may be brought forward to clear such obstructions and shall be fastened by stanchions provided for this purpose. On lower decks where the ship's construction so justifies, rump boards may be affixed to 2″ x 6″ wooden pieces set the same as prescribed for stanchions. Rump boards may be formed by filling spaces between cargo battens. Rump boards in stalls or pens built alongside hatches need be carried down only to the coaming line.

(2) *Sheep, goats, and swine.* Pens for sheep, goats, and swine on all exposed decks shall be provided with rump boards of the specified size built to a height of 2 feet 6 inches.

(j)(1) *Horses and cattle.* Division boards in pens for horses and cattle shall be used to separate all stalls and pens and to close the sides thereof at the ends of rows. They shall be used in sets of four boards of 2″ x 10″ dressed lumber separated by 3 inch spacers, shall extend from the rump boards to the inboard stanchions, and shall be fitted into appropriate channels or slots at both ends in a manner that will permit their ready removal.

(2) *Sheep, goats, and swine.* Division boards and those forming ends of pens for sheep, goats, and swine shall be the same as prescribed for rump boards for these animals in paragraph (i) of this section.

[45 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980, and amended at 57 FR 23047, June 1, 1992]

§ 91.29 Hatches.

(a) Animals may be placed on hatches on exposed decks on an ocean vessel if the pens or stalls are securely lashed down.

(b) Animals may be placed on hatches on underdecks on an ocean vessel provided the height requirements of §91.25 (e) and (f) are met and sufficient space shall be left clear on such hatches for passageway across ship.

(c) On all hatches on which animals are carried and under which hay and feed or animals are stowed, sufficient space shall be left clear for the proper removal and handling of such hay and feed and animal carcasses. Such hatches shall be watertight.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

§91.30 Defective fittings.

If previously used fittings aboard an ocean vessel are employed, any portion thereof found by the inspector to be worn, decayed, unsound, or otherwise defective shall be replaced.

[42 FR 28990, June 7, 1977. Redesignated at 45 FR 86413, Dec. 31, 1980]

Subpart E—Cleaning and Disinfecting of Aircraft

§91.41 Cleaning and disinfecting of aircraft.

Prior to loading of animals, the stowage area of aircraft to be used to export animals under the provisions of this part shall, under the supervision of an inspector, be cleaned and then disinfected using a freshly prepared solution of 4 percent sodium carbonate plus 0.1 percent sodium silicate. In addition, all loading ramps, fittings, and equipment to be used in loading the animals on the aircraft shall be cleaned and disinfected using an approved disinfectant listed in §71.10 of this chapter. The time at which the cleaning and disinfection is performed must be approved by the inspector, who will give approval only if he or she determines that the cleaning and disinfection will be effective up to the projected time of loading of animals. If the animals are not loaded by the projected time, the inspector shall determine whether further cleaning and disinfection are necessary. The cleaning must remove all garbage, soil, manure, plant materials, insects, paper, and other debris from the stowage area. The disinfectant solution must be applied with a device that creates an aerosol or mist that covers 100 percent of the surfaces in the stowage area, except for any loaded cargo and deck surface under it that, in the opinion of the inspector, do not contain materials that may contain animal disease pathogens such as garbage, soil, manure, plant materials, insects, waste paper, or debris. After cleaning and disinfection is performed, the inspector shall sign and deliver to the captain of the aircraft or other responsible official of the airline involved, a document stating that the aircraft has been properly cleaned and disinfected, and stating further the date, the carrier, the flight number, and the name of the airport and the city and state in which it is located. If an aircraft is cleaned and disinfected at one airport, then flies to a subsequent airport, with or without stops en route, to load animals for export, the inspector at the subsequent airport will determine, based on examination of the cleaning and disinfection documents, whether the previous cleaning and disinfection is adequate or whether to order a new cleaning and disinfection. If the aircraft has loaded any cargo in addition to animals, the inspector at the subsequent airport will determine whether to order a new cleaning and disinfection based on both examination of the cleaning and disinfection documents and inspection of the stowage area for materials that may contain animal disease pathogens such as garbage, soil, manure, plant materials, insects, waste paper, or debris.

[53 FR 51747, Dec. 23, 1988]

PART 92—IMPORTATION OF ANIMALS AND ANIMAL PRODUCTS: PROCEDURES FOR REQUESTING RECOGNITION OF REGIONS

Sec.

92.1 Definitions.
92.2 Application for recognition of the animal health status of a region.

AUTHORITY: 7 U.S.C. 1622; 19 U.S.C. 1306; 21 U.S.C. 102–105, 111, 114a, 134a, 134b, 134c, 134d, 134f, 135, 136, and 136a; 31 U.S.C. 9701; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 62 FR 56012, Oct. 28, 1997, unless otherwise noted.

§ 92.1 Definitions.

Active surveillance. Sample collection using a systematic or statistically designed survey methodology to actively seek out and find cases of animals with a restricted disease agent, or to determine the prevalence of the restricted disease agent in the population.

Adjacent region. Any geographic land area, whether or not identifiable by geological, political or surveyed boundaries, that shares common boundaries with any region.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Animals. All species of the animal kingdom, except man, including: Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, poultry, and birds that are susceptible to communicable diseases of livestock and poultry or capable of being carriers of those diseases or their arthropod vectors.

Communicable disease. Any contagious or infectious disease of animals. It can be transmitted either directly or indirectly to a susceptible animal from an infected animal, vector, inanimate source, or other sources.

Contagious disease. Any communicable disease transmitted from one animal to another by direct contact or by feed, water, aerosol, or contaminated objects.

Disease agent. A virus, bacterium, or other organism that causes disease in animals.

Import (imported, importation) into the United States. To bring into the territorial limits of the United States.

Passive surveillance. A surveillance system that does not depend on active participation by the responsible agency to seek out and monitor a restricted disease agent. The system relies on mandatory reporting, a pool of trained investigators, diagnostic submission procedures and laboratory support, and periodic public information and continuing education programs on diseases.

Prevalence. The number of cases of a disease in existence at a given time in a designated area.

Region. Any defined geographic land region identifiable by geological, political or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.);

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Restricted disease agent. Any communicable disease agent or its vector not known to exist in the United States or that is subject to a Federal or cooperative Federal/State control or eradication program within the United States.

Surveillance. Systems to find, monitor, and confirm the existence or absence of a restricted disease agent or agents in livestock, poultry and other animals. Surveillance may be passive or active.

United States. All of the States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other territories and possessions of the United States.

Vector-borne disease. A disease transmitted to an animal through an intermediate arthropod vector, including ticks or insects.

§ 92.2 Application for recognition of the animal health status of a region.

(a)(1) The representative of the national government(s) of any country or countries who has the authority to request such a change may request at any time that all or part of the country or countries be recognized as a region, be included within an adjacent previously recognized region, or be made part of a region larger than an individual country. Requests for recognition of a region must be sent to the Administrator, in accordance with paragraph (c) of this section.

(b) Each request for approval to export a particular type of animal or animal product to the United States from a foreign region must be made to the Administrator, in accordance with paragraph (c) of this section, and must include, in English, the following information about the region:

(1) The authority, organization, and infrastructure of the veterinary services organization in the region.

(2) Disease status—i.e., is the restricted disease agent known to exist in the region? If ''yes,'' at what prevalence? If ''no,'' when was the most recent diagnosis?

(3) The status of adjacent regions with respect to the agent.

(4) The extent of an active disease control program, if any, if the agent is known to exist in the region.

(5) The vaccination status of the region. When was the last vaccination? What is the extent of vaccination if it is currently used, and what vaccine is being used?

(6) The degree to which the region is separated from adjacent regions of higher risk through physical or other barriers.

(7) The extent to which movement of animals and animal products is controlled from regions of higher risk, and the level of biosecurity regarding such movements.

(8) Livestock demographics and marketing practices in the region.

(9) The type and extent of disease surveillance in the region—e.g., is it passive and/or active; what is the quantity and quality of sampling and testing?

(10) Diagnostic laboratory capabilities.

(11) Policies and infrastructure for animal disease control in the region—i.e., emergency response capacity.

(c) Requests for recognition of a region or for approval to export animals or animal products to the United States from a region, including the information required by this section, must be sent to the Administrator, c/o National Center for Import and Export, VS, APHIS, 4700 River Road Unit 38, Riverdale, MD 20737–1231. (Where possible, include a copy of the request and accompanying information on a 3.5-inch floppy disk in ASCII or a word processing format.)

(d) The information submitted in accordance with paragraph (b) of this section will be made available to the public prior to initiation by APHIS of any rulemaking action on the request.

(e) If, after review of the information submitted, APHIS believes the requested importation can be safely allowed, APHIS will publish a proposed rule in the FEDERAL REGISTER to allow the importation, and the conditions under which the importation would be allowed, along with a discussion of the basis for the proposal.

(f) APHIS will provide a period of time during which the public may comment on the proposal. During the comment period, the public will have access to the information upon which APHIS based its analysis of the risk of such importation, as well as to its methodology in conducting the analysis. Once APHIS has reviewed all comments received, it will make a final decision on what conditions will be necessary to allow the importation in question, and will publish the conditions for import in the FEDERAL REGISTER.

PART 93—IMPORTATION OF CERTAIN ANIMALS, BIRDS, AND POULTRY, AND CERTAIN ANIMAL, BIRD, AND POULTRY PRODUCTS; REQUIREMENTS FOR MEANS OF CONVEYANCE AND SHIPPING CONTAINERS

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93.305 Declaration and other documents for horses.
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93.403 Ports designated for the importation of ruminants.
93.404 Import permits for ruminants and for ruminant test specimens for diagnostic purposes; and reservation fees for space at quarantine facilities maintained by APHIS.
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93.422 Import permit and declaration for ruminants.
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93.428 Sheep and goats and wild ruminants from Mexico.
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93.432 Cattle from the Republic of Ireland.
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93.434 Standards for approval of privately operated quarantine facilities for sheep or goats, and handling procedures for the importation of sheep or goats.
93.435 Sheep and goats.

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93.500 Definitions.
93.501 General prohibitions; exceptions.
93.502 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.
93.503 Ports designated for the importation of swine.
93.504 Import permits for swine and for swine specimens for diagnostic purposes; and reservation fees for space at quarantine facilities maintained by APHIS.
93.505 Certificate for swine.
93.506 Declaration and other documents for swine.
93.507 Inspection at the port of entry.
93.508 Articles accompanying swine.
93.509 Movement from conveyances to quarantine station.
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93.511 Swine quarantine facilities.
93.512 Quarantine stations, visiting restricted; sales prohibited.
93.513 Milk from quarantined swine.
93.514 Manure from quarantined swine.
93.515 Appearance of disease among swine in quarantine.

CANADA

93.516 Import permit and declaration for swine.
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93.802 Import permit.
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93.805 Ports of entry, inspection, and treatment.
93.806 Animals refused entry.
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AUTHORITY: 7 U.S.C. 1622; 19 U.S.C. 1306; 21 U.S.C. 102–105, 111, 114a, 134a, 134b, 134c, 134d, 134f, 136, and 136a; 31 U.S.C. 9701; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 55 FR 31495, Aug. 2, 1990, unless otherwise noted. Redesignated at 62 FR 56012, Oct. 28, 1997.

Subpart A—Birds

§93.100 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service.)

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

APHIS representative. A veterinarian or other individual employed by the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the services required by this part.

Birds. All members of the class aves (including eggs for hatching), other than poultry.

Commercial birds. Birds which are imported for resale, breeding, public display, or any other purpose, except pet birds, zoological birds, research birds, or performing or theatrical birds.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Licensed veterinarian. Any person licensed by any region or political subdivision thereof to practice veterinary medicine.

Pen-raised. Cared for in a fenced enclosure, such that the ratites are kept apart from wild ratites, poultry, and other animals; can be readily observed, and be restrained for inspection and treatment. A flock is not considered to be pen-raised if ratites captured in the wild have been added to it after March 8, 1994.

Performing or theatrical birds. Birds, except ratites, which are to be used in shows, theatrical acts or performances only.

Persons. Any individual, corporation, company, association, firm, partnership, society or joint stock company.

Pet birds. Birds, except ratites, which are imported for the personal pleasure of their individual owners and are not intended for resale.

Port Veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys (including eggs for hatching).

Production season. That period of time, usually approximately 9 months each year, from the time ratites in a flock begin laying eggs until the ratites cease laying eggs.

Ratites. Cassowaries, emus, kiwis, ostriches, and rheas.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.);

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Research birds. Birds which are to be used for research purposes only.

Smuggled birds. Any bird which has been brought into the United States contrary to any Federal law or regulation and which has been seized by any official of any Department of the United States Government or which has been abandoned to the United States.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

Veterinary Services. The Veterinary Services unit of the Department.

Zoological birds. Birds intended for breeding or public display, for recreational or educational purposes, at a zoological park.

Zoological park. A professionally operated zoo, park, garden or other place, maintained under the constant surveillance of a Doctor of Veterinary Medicine, for the exhibition of live animals, pigeons or birds, for the purpose of public recreation or education.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 31865, July 12, 1991; 59 FR 10732, Mar. 8, 1994; 59 FR 47068, Sept. 14, 1994. Redesignated and amended at 62 FR 56012, 56013, Oct. 28, 1997]

§93.101 General prohibitions; exceptions.

(a) No product or bird subject to the provisions of this part shall be brought into the United States except in accordance with the regulations in this part and part 94 of this subchapter;[1] nor shall any such product or bird be handled or moved after physical entry into the United States before final release from quarantine orany other form of governmental detention except in compliance with such regulations; *Provided*, That the Administrator may upon request in specific cases permit products or birds to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b)(1) Birds from Canada may be imported in accordance with this section or, except for ratites in accordance with the provisions applicable to importation of poultry from Canada as specified in §§93.205, 93.214, and 93.216 of this part.

(2) Ratites and hatching eggs of ratites may be imported into the United States only in accordance with the provisions in this part that apply to commercial and zoological birds, and, where specified, with the provisions that apply to ratites or hatching eggs of ratites.

(3) Except for ratites imported as zoological birds, and ratites and ratite hatching eggs imported from Canada in accordance with §93.107, ratites and hatching eggs of ratites may not be imported into the United States unless the following conditions are met:

(i) The ratites or hatching eggs are produced by a pen-raised flock, and, in the case of ratites, maintained in a pen-raised flock;

(ii) Each ratite produced in the flock is identified with an identification number by means of a microchip implanted at 1-day of age in the pipping muscle of ostriches and in the upper neck of other ratites, each ratite added from outside the flock is identified in like manner upon arrival in the flock, except that the microchip need not be implanted in the pipping muscle or the upper neck, and each ratite already in the flock as of March 8, 1994 is identified in like manner, prior to the next visit to the flock premises by an APHIS representative under §93.103(a)(2)(iv), except that the microchip need not be implanted in the pipping muscle or the upper neck;

(iii) On the date it is produced, each hatching egg produced in the flock is marked in indelible ink with the date of the production, and with identification, assigned by the national government of the region of export, of the premises and region from which the ratites or hatching eggs are intended for exportation;

(iv) The owner or manager of the premises from which the ratites or hatching eggs are intended for importation into the United States maintains on a daily basis a register listing the following:

(A) Number of live ratites hatched in the flock or added to the flock, and number of live ratites removed from the flock, and the microchip number for each of these ratites;

(B) Number of eggs produced in the flock and date of production, and number of eggs removed from the flock and date of production; and

(C) Number of eggs in incubator/hatcher and date of production;

(v) The owner or manager of the premises submits a copy of the registers to the National Veterinary Service of the region of export on a quarterly basis. The region of export in turn submits a copy of the registers to the Administrator upon his or her request;[2]

(vi) The region from which the ratites or hatching eggs are exported to the United States maintains a registry of premises that wish to export ratites or hatching eggs of ratites to the United States, that lists each ratite according to the microchip number required under paragraph (b)(3)(iv) of this section, and also maintains a

[1] Importations of certain animals from various regions are absolutely prohibited under part 94 because of specified diseases.

[2] Copies should be mailed to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

count of hatching eggs of ratites produced on or added to the premises;

(vii) Before a premises is added to the registry, either a veterinary officer of the national government of the region of export, or an employee of that government responsible for the protection of fish and wildlife, visits the premises and determines that all ratites and hatching eggs of ratites are identified as required under paragraphs (b)(3)(ii) and (b)(3)(iii) of this section.

(viii) The region from which the ratites or hatching eggs of ratites are exported to the United States requires each premises from which ratites or hatching eggs of ratites are exported to the United States to receive approval from the National Veterinary Service of that region before ratites are added to the premises from outside the premises, and also prohibits the addition of ratites to a flock during production seasons;

(ix) The region from which ratites or hatching eggs of ratites are exported to the United States establishes a maximum number of hatching eggs of ratites that may be produced on each premises over a set production season. The ceiling for each premises is calculated jointly by a full-time salaried veterinary officer of the national government of the region of export and the APHIS representative who conducts the site visit required under §93.103(a)(2)(iv), and is adjusted jointly by an APHIS representative and a full-time salaried veterinary officer of the national government of the region of export according to changes in the number of laying hens in the flock;

(x) The region of export conducts random inspections of each premises intending to export ratites or hatching eggs of ratites to the United States, at least twice during each production season, to ensure that all ratites and hatching eggs of ratites on the premises are identified as required under paragraphs (b)(3)(ii) and (b)(3)(iii) of this section. These inspections must be conducted by either a veterinary officer of the national government of the region of export or an employee of that government responsible for the protection of fish and wildlife. If any ratites or hatching eggs are not identified as required, the region of export must not issue the export certificate required under §93.104(a). The region of export must record, on the copy of the report required to be sent to the Administrator under paragraph (b)(3)(v) of this section, whether all ratites and hatching eggs are identified as required;

(xi) The region of export requires each premises on which ratites or hatching eggs of ratites intended for export to the United States are kept to submit to the National Veterinary Service of that region a copy of the certificate required under §93.104(a);

(xii) The person intending to import ratites into the United States provides the APHIS veterinary inspector at the intended port of entry with a reader capable of reading the microchip implanted in each of the ratites.

(4) Ratites and hatching eggs of ratites may not be imported into the United States in any container that holds hay, straw, grasses, wood chips, sawdust, or other materials likely to harbor ectoparasites. Ratites and hatching eggs of ratites that are imported into the United States in containers holding such materials will be refused entry.

(c)(1) Pet birds offered for entry from Canada and which are not known to be affected with or exposed to any communicable disease of poultry, which are caged (prior to release from the port of entry) and which are personal pets, may be imported by the owner thereof at any port of entry designated in §§93.103 or 93.203: *Provided,* That, such birds are found upon port of entry veterinary inspection under §93.105 to be free of poultry diseases and at the time of entry the owner signs and furnishes to the Administrator, a statement stating that the bird or birds have been in his or her possession for a minimum of 90 days preceding the date of importation and that during such time such birds have not been in contact with poultry or other birds (for example, association with other avian species at exhibitions or in aviaries.)

(2)(i) Pet birds which originated in the United States and have not been outside the region for more than 60 days may be offered for entry under the provisions of §93.101(c)(1): *Provided,* That such birds are also accompanied by a United States veterinary health

certificate issued prior to the departure of the birds from the United States and the certificate shows the leg band or tattoo number affixed to the birds prior to departure; *And provided further,* That during port of entry veterinary inspection it is determined that the leg band or tattoo on the bird is the same as the one listed on the health certificate.

(ii) Lots of pet birds of United States origin which have been outside the United States for more than 60 days which are found upon port of entry veterinary inspection to be free of poultry diseases, and that otherwise meet the requirements of paragraph (c)(2)(i) of this section, may be imported by the owner thereof if, the owner importing such birds signs and furnishes to the Administrator, the following:

(A) A notarized declaration under oath or affirmation (or a statement signed by the owner and witnessed by a Department inspector) stating that the bird or birds have not been in contact with poultry or other birds while out of the region (for example, association with other avian species at exhibitions or at aviaries); and

(B) An agreement on VS Form 17–8, obtainable from a Federal inspector at the port of entry, stating:

(*1*) That the birds will be maintained in confinement in his or her personal possession separate and apart from all poultry and other birds for a minimum of 30 days following importation at the address where the birds are to be held and made available for health inspection and testing by Department inspectors upon request until released at the end of such period by such an inspector and

(*2*) That appropriate Federal officials in the State of destination will be immediately notified if any signs of disease are noted in any of the birds or any bird dies during that period.

The owner importing such birds must comply with the provisions of the aforementioned agreement before the birds may be released from confinement. Lots of pet birds of United States origin which do not otherwise meet the requirements of paragraphs (c)(1) or (2) of this section may be offered for entry under the provisions of paragraph (c)(3) of this section.

(3) Pet birds which are not known to be affected with or exposed to communicable diseases of poultry may be offered for entry at one of the ports of entry designated in §93.102(a) under the following conditions:

(i) The pet birds shall be accompanied by a veterinary health certificate issued by a national government veterinary officer of the region of export stating that he or she personally inspected the birds listed on the health certificate and found them to be free of evidence of Newcastle disease, chlamydiosis, and other communicable diseases of poultry, and that the birds were being exported in compliance with the laws and regulations of the region of export, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so. Certificates in a foreign language must be translated into English at the expense of the importer.

(ii) An advanced reservation fee as required by §93.103(a)(3) and a request for space which has been confirmed in writing, at a USDA-operated quarantine facility shall be made with the port veterinarian[3] at the port where the birds are to be held for a minimum 30-day isolation in a biologically secure unit separate and apart from all other avian species, except, that birds arriving without an advanced reservation may be handled if an isolation unit is available, provided the reservation fee as required in §93.103(a)(3) is paid. Pet birds offered for entry at a port of entry that has not been designated in §93.102(a), or pet birds arriving without an advanced reservation at a port of entry designated in §93.102(a) but at which isolation units are not available, shall be refused entry at such port.

[3] The names and addresses of the port veterinarians, as well as a fee schedule for quarantine charges, are available from the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, Maryland 20737–1231.

However, such pet birds may be transported at the owner's expense to another port of entry designated in §93.102(a) if available quarantine space exists, if the reservation fee is paid and the birds are shipped to such other port under conditions deemed sufficient by the Administrator to prevent the spread of communicable diseases of poultry: *Provided,* That pet birds arriving with or without an advance reservation at the port of Hidalgo, Texas, will be transported at Department expense to the quarantine facility at Mission, Texas, if available quarantine space exists at that facility, until quarantine facilities are available at Hidalgo, Texas; and pet birds arriving with or without an approved reservation entered at the port of New York, New York, will be transported at Department expense to the quarantine facility at Newburgh, New York, if available quarantine space exists at the facility, until quarantine facilities are available at New York, New York. Following the isolation period, if such birds are found to be free from communicable diseases of poultry, the birds shall be returned at Department expense to the respective ports of Hidalgo, Texas, or New York, New York, as appropriate, for Agriculture release for entry through U.S. Customs.

(iii) During the isolation period, the birds shall be subjected to such tests and procedures as required by the Administrator to determine whether the birds are free from communicable diseases of poultry.

(iv) Following the isolation period, if the birds are found to be free of communicable disease of poultry, the port veterinarian shall issue an agriculture release for entry through U.S. Customs. If the birds are found during port of entry inspection or during quarantine to be infected with or exposed to a communicable disease of poultry, such birds shall be refused entry and handled in accordance with §93.106(a) of this part.

(v) The owner of the birds is responsible for all costs which result from these procedures and shall reimburse APHIS for governmental expenses in accordance with §93.210 (b) and (c) of this part.

(d) The provisions in this subpart relating to birds shall not apply to healthy birds, except ratites, not known to be infected with or exposed, within the 90 days preceding the date of export from the region of origin, to communicable diseases of poultry, if an import permit[4] has been obtained under §93.103 of this chapter and all conditions therein are observed; and if such birds are handled as follows:

(1)(i) They are maintained under continuous confinement in transit through the United States aboard an aircraft, ocean vessel, or other means of conveyance; or

(ii) Except for birds in transit through Anchorage, Alaska, under §93.103(c) of this part, which are not allowed to be unloaded, they are unloaded, in the course of such transit, into a bird holding facility which is provided by the carrier or its agent and has been approved[5] in advance by the Administrator in accordance with paragraph (d)(3) of this section as adequate to prevent the spread within the United States of any livestock or poultry disease, and they are maintained there under continuous confinement until loaded aboard a means of conveyance for transportation from the United States and are maintained under continuous confinement aboard such means of conveyance until it leaves the United States; the import permit will specify any additional conditions necessary to assure that the transit of the poultry or birds through the United States can be made without endangering the livestock or poultry of the United States, and that Department inspectors may inspect the poultry or birds on board such means of conveyance or in such holding facility as provided in section 5 of the Act of July 2, 1962 (21 U.S.C. 134d) to ascertain whether the requirements of this paragraph are met, and dispose of them in accordance with section 2 of the Act of

[4] Such permit may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, Maryland 20737–1231. Requests for approval of such facilities should also be made to the Deputy Administrator.

[5] See footnote 4 in subpart A.

July 2, 1962 (21 U.S.C. 134a) if such conditions are not met; and

(2) The carrier or its agent executes and furnishes to the collector of Customs at the first port of arrival a declaration stating that the poultry or birds will be retained aboard such means of conveyance or in an approved holding facility during transhipment as required by this paragraph.

(3) Provisions for the approval of facilities required in this paragraph are:

(i) They must be sufficiently isolated to prevent direct or indirect contact with all other animals and birds while in the United States.

(ii) They must be so constructed that they provide adequate protection against environmental conditions and can be adequately cleaned, washed and disinfected.

(iii) They must provide for disposal of animal and bird carcasses, manure, bedding, waste and any related shipping materials in a manner that will prevent dissemination of disease.

(iv) They must have provisions for adequate sources of feed and water and for attendants for the care and feeding of birds in the facility.

(v) They must comply with additional requirements as may be imposed by the Administrator if deemed applicable for a particular shipment.

(vi) They must also comply with all applicable local, State and Federal requirements for environmental quality and with the provisions of the Animal Welfare Regulations in chapter I of this title, as applicable.

(e) Commercial birds, zoological birds, research birds, or pet birds may be imported into the United States if they meet the requirements of §§93.102(a), 93.103, 93.104, 93.105(a), and 93.106(a) which specifically apply to such birds and the requirements of all other sections in this part that are applicable to poultry generally.

(f) Performing or theatrical birds may be imported at any of the ports of entry listed in §93.102 or 93.203 if accompanied by an import permit as required by §93.103 and such birds are found upon port of entry veterinary inspection to be free of communicable diseases of poultry.

(g) Any smuggled bird shall:

(1) Be refused entry into the United States and be removed from the United States,[6] or

(2) Be quarantined in a USDA-operated quarantine facility pending negative results to two consecutive tests for exotic Newcastle disease (END)[7] administered not less than 30 days apart, with the first test administered within seven days after the bird enters the facility.

(3) Tissue samples from any smuggled bird which has died prior to release from quarantine shall be submitted for END isolation. Smuggled birds shall also be subject to such other tests and procedures to determine whether the birds are free from communicable diseases of poultry other than END when the port veterinarian determine that the bird in question has shown physical symptoms of being affected with or exposed to communicable diseases of poultry. A lot of smuggled birds placed into the quarantine facility shall be handled on an ''all-in, all-out'' basis: *Provided,* That birds of endangered and threatened species, as determined by the Department of the Interior (16 U.S.C. 1533, as amended) shall be separated for quarantine and testing as separate lots. If END or any other communicable disease of poultry is diagnosed in any smuggled bird at any point or if it is determined that any smuggled bird has been exposed to END or any other such communicable disease, such birds shall not be released from quarantine and shall be disposed of in accordance with procedures established by the Administrator to prevent the entry of communicable diseases of livestock or poultry into the United States. However, if endangered or threatened species are determined to be exposed such birds shall be held in permanent quarantine in accordance with such conditions as the Deputy Administrator may prescribe to protect poultry of the United States. At the time any smuggled bird enters the quarantine facility, it shall be identified in a manner approved by the Administrator.

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[6] Birds that would require handfeeding will be refused entry.

[7] Such tests are conducted according to the Protocol for END which is available upon request from the Administrator.

(4) If the laboratory tests for END are negative and as determined by the port veterinarian the birds are free of clinical evidence of diseases of poultry at the end of the quarantine period, the port veterinarian shall issue an agricultural release for entry of the birds through the United States Customs Service at the termination of the quarantine period. Providing that the sale of the smuggled birds is not contrary to any Federal law or regulation, expenses incurred by the Department for the handling of the smuggled birds under this paragraph shall be reimbursed from funds derived from the sale or disposition of the smuggled birds after their release from quarantine. Any smuggled bird which by law may not be sold, or so disposed, shall be quarantined in accordance with such procedures as the Deputy Administrator may establish to prevent the introduction of communicable diseases of livestock or poultry into the United States, in accordance with the law.

(Approved by the Office of Management and Budget under control number 0579–0020)

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 31865, 31866, July 12, 1991; 57 FR 28080, June 24, 1992; 59 FR 10732, Mar. 8, 1994; 59 FR 36026, July 15, 1994; 59 FR 47068, Sept. 14, 1994; 59 FR 63881, Dec. 12, 1994; 59 FR 67133, Dec. 29, 1994; 59 FR 67614, Dec. 30, 1994; 61 FR 56890, Nov. 5, 1996; 61 FR 68125, Dec. 27, 1996. Redesignated and amended at 62 FR 56012-56014, Oct. 28, 1997]

§ 93.102 Ports designated for the importation of birds.

(a) *Special ports for pet birds.* The following ports are designated as ports of entry for pet birds imported under the provisions of § 93.101(c) and performing or theatrical birds imported under the provisions of § 93.101(f): Los Angeles and San Ysidro, CA; Miami, FL; Honolulu, HI; New York, NY; Baudette, MN; and Hidalgo, TX.

(b) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

(c) Notwithstanding any other provisions of this section, all commercial birds, zoological birds, or research birds shall be imported only at a port of entry specified in § 93.105.

(d) *Limited ports.* The following ports are designated as ports of entry for pet birds imported under the provisions of § 93.101(c)(1) or (2) and performing or theatrical birds imported under the provisions of § 93.101(f): Anchorage and Fairbanks, AK; San Diego, CA; Jacksonville, Port Canaveral, St. Petersburg-Clearwater, and Tampa, FL; Atlanta, GA; Chicago, IL; New Orleans, LA; Boston, MA; Baltimore, MD; Portland, ME; Minneapolis, MN; Great Falls, MT; Covington, KY (Greater Cincinnati International Airport); Portland, OR; San Juan, PR; Galveston and Houston, TX; and Seattle, Spokane, and Tacoma, WA.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 36026, July 15, 1994; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995; 61 FR 68125, Dec. 27, 1996. Redesignated and amended at 62 FR 56012, 56014, Oct. 28, 1997]

§ 93.103 Import permits for birds; and reservation fees for space at quarantine facilities maintained by APHIS.

(a) *Application for permit; reservation required.* Before any permit application is submitted, all construction at the quarantine facility must be completed.

(1) For pet birds, commercial birds, research birds, zoological birds, and performing or theatrical birds, intended for importation into the United States, except as otherwise provided in §§ 93.101(b) and (c), 93.103(c), and 93.107(b), the importer shall first apply for and obtain an import permit. The importer (permit applicant) shall submit a completed VS form 17–128 for ratites or hatching eggs of ratites; or, for other birds, a completed VS form 17–20; or shall submit a document that states that it is an application for a permit to import ratites, hatching eggs of ratites, or birds other than ratites or hatching eggs of ratites. The application[8] must include the following information:

[8] VS import permit application forms are available from local offices of Veterinary Services, which are listed in telephone directories, or from the Animal and Plant Health

(i) The name, address, and telephone number of the importer;

(ii) The status of the importer, such as individual, partnership, or corporation (if incorporated, include State where incorporated and date of incorporation);

(iii) Name and address of the quarantine facility;

(iv) Date of intended quarantine;

(v) The purpose of the importation;

(vi) The region of origin;

(vii) The name and address of the exporter;

(viii) The port of embarkation in the foreign region;

(ix) The mode of transportation, route of travel, and port of entry in the United States;

(x) The name and location of the quarantine facility in the United States to which delivery will be made from the port of entry, in accordance with §93.106(c)(5);

(xi) A drawing of the floor plan for the facility showing the location of the bird holding area; equipment storage areas; office areas; clothes storage and change areas; feed storage areas; necropsy areas (showing entry and refrigeration); washing areas for equipment; shower areas; ventilation arrangements; and entries and exits; and, for a facility for hatching eggs of ratites in which the hatching eggs of one lot may be quarantined at the same time as the hatched chicks from a previously quarantined lot, the incubation/hatcher and bird (chick) holding areas; and

(xii) Date and certification, by signature of the importer (permit applicant), after the following language:

I certify that the information provided herein is true and correct to the best of my knowledge and belief, and agree to comply with the applicable regulations in title 9, Code of Federal Regulations, §§93.100 through 93.107;

(xiii) In addition, the application for a permit to import ratites or hatching eggs of ratites, except for ratites and hatching eggs of ratites imported from Canada in accordance with §93.107, shall specify the number of ratites or hatching eggs intended for importation, the size of the flock of origin, and the location of the premises where the flock of origin is kept; and shall state that, from the date of application through the date of export, APHIS representatives shall be granted access to the premises where the flock of origin is kept. (For ratites intended for importation as zoological birds, the flock of origin shall be the ratites intended for importation.)

(2)(i) An import permit will be issued only after an APHIS representative has inspected the quarantine facility identified on the permit application, and has determined that it meets the standards set forth in §93.106(c) of this part.

(ii) An application for a permit to import pet birds, commercial birds, research birds, zoological birds, and performing or theatrical birds, may be denied or withdrawn because of: Communicable disease conditions in the area or region of origin, or in a region where the shipment has been or will be held or through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned countries; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the animals; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; the lack of APHIS personnel; any outstanding debts to APHIS the permit applicant has not paid when due; or any other circumstances which the Administrator believes require such denial or withdrawal to prevent the dissemination of any communicable disease of livestock or poultry into the United States, such as if:

(A) Any requirement of this subpart is not complied with;

(B) The importer (permit applicant) or any person responsibly connected

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Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. For other permit requirements for birds, the regulations issued by the U.S. Department of the Interior (title 50, Code of Federal Regulations, parts 14 and 17) should be consulted.

with the importer's business, any person responsibly connected with the privately owned bird quarantine facility through which the importation is intended, or, in the case of the importation of ratites or ratite hatching eggs, the operator of the flock of origin or a person responsibly connected with the owner of the flock of origin, has been convicted of any crime under any law regarding the import or export of goods, regarding the quarantine of any animal or bird, or the illegal movement of goods within a region, or involving fraud, bribery, extortion, or of any other crime involving lack of the integrity needed for the conduct of operations affecting the importation of birds;

(C) The importer (permit applicant) or any person responsibly connected with the importer's business, any person responsibly connected with the privately owned bird quarantine facility intended for use for the importation, or, in the case of the importation of ratites or ratite hatching eggs, the operator of the flock of origin or a person responsibly connected with the owner of the flock of origin, threatens to forcibly assault or forcibly assaults, intimidates, or interferes with any APHIS representative or employee in or on account of the performance of his or her official duties, unless, promptly upon the incident being brought to the importer's attention by the authorized supervisor of the APHIS representative or employee, and to the satisfaction of that supervisor, the importer justifies the incident, takes effective steps to prevent a recurrence, or provides acceptable assurance that there will not be any recurrences; or

(D) For any violation of the regulations in this subpart.

(iii) In addition, a permit to import ratites or hatching eggs of ratites, except for ratites or hatching eggs of ratites imported from Canada in accordance with §93.107, will be denied or withdrawn unless APHIS representatives are granted access to the premises where the flock of origin is kept (or, in the case of zoological birds, to the premises where the birds are kept), from the date of the application for the permit through the date of export.

(iv) Except for ratites intended for importation as zoological birds and ratites and hatching eggs of ratites imported from Canada in accordance with §93.107, a permit to import ratites or hatching eggs of ratites will be denied or withdrawn unless an APHIS representative has visited the premises where the flock of origin is kept within the 12-month period before the intended importation and has determined that the flock is pen-raised and contains sufficient breeding pairs to produce the number of ratites or hatching eggs intended for importation.

(v) A permit to import ratites or hatching eggs of ratites will be denied or withdrawn if an inspection of the premises of the flock or origin, carried out by the national government of the region of export under §93.101(b)(3), indicates that the ratites and hatching eggs are not identified and marked as required under §93.101(b)(3).

(vi) For the purposes of this section, a person shall be deemed to be responsibly connected with an importer's business, a privately owned bird quarantine facility, or an owner of a flock of origin, if such person has an ownership, mortgage, or lease interest in the physical plant of the importer's business, the privately owned bird quarantine facility, or the farm of the flock of origin, or if such person is a partner, officer, director, holder or owner of 10 per centum or more of the voting stock of the importer's business, the privately owned bird quarantine facility, or the farm of the flock of origin, or is an employee of the importer's business, the privately owned bird quarantine facility, or the owner of the flock of origin.

(vii) A permit may be denied or withdrawn at any time by the Administrator, for any of the reasons provided in paragraphs (a)(2)(ii), (iii), (iv), or (v) of this section. Before such action is taken, the importer will be informed of the reasons for the proposed action and, upon request in case of a dispute of material facts, shall be afforded an opportunity for a hearing with respect to the merits or validity of such action, in accordance with rules of practice which shall be adopted for the proceeding. However, withdrawal of a permit shall become effective pending

final determination in the proceeding, when the Administrator determines that such action is necessary to protect the public health, interest, or safety. Such withdrawal shall be effective upon oral or written notification, whichever is earlier, to the importer. In the event of oral notification, written confirmation shall be given to the importer as promptly as circumstances permit. This withdrawal shall continue in effect pending the completion of the proceeding and any judicial review thereof, unless otherwise ordered by the Administrator.

(viii) If APHIS receives more than one application for a permit to import birds through a specified port of entry at approximately the same time, such that APHIS personnel could provide services to only one importer (permit applicant) who requests them, APHIS will issue the permit to the first importer who meets the requirements of this subpart to deposit, with the Administrator, the completed cooperative and trust fund agreement, accompanied by the required deposit.

(3)(i) The importer or importer's agent shall pay or ensure payment of a reservation fee for each lot of birds to be quarantined in a facility maintained by USDA. For birds the reservation fee shall be 100 percent of the cost of providing care, feed, and handling during quarantine, as estimated by the quarantine facility's veterinarian in charge.

(ii) At the time the importer or the importer's agent requests a reservation of quarantine space, the importer or importer's agent shall pay the reservation fee by check or U.S. money order or ensure payment of the reservation fee by an irrevocable letter of credit from a commercial bank (the effective date on such letter of credit shall run to 30 days after the date the birds are scheduled to be released from quarantine); except that anyone who issues a check to the Department for a reservation fee which is returned because of insufficient funds shall be denied any further request for reservation of a quarantine space until the outstanding amount is paid.

(iii) Any reservation fee paid by check or U.S. money order shall be applied against the expenses incurred for services received by the importer or importer's agent in connection with the quarantine for which the reservation was made. Any part of the reservation fee which remains unused after being applied against the expenses incurred for services received by the importer or the importer's agent in connection with the quarantine for which the reservation was made, shall be returned to the individual who paid the reservation fee. If the reservation fee is ensured by a letter of credit, the Department will draw against the letter of credit unless payment for services received by the importer or importer's agent in connection with the quarantine is otherwise made at least 3 days prior to the expiration date of the letter of credit.

(iv) Any reservation fee shall be forfeited if the importer or the importer's agent fails to present for entry, within 24 hours following the designated time of arrival, the lot of birds for which the reservation was made: *Except* that a reservation fee shall not be forfeited if:

(A) Written notice of cancellation from the importer or the importer's agent is received by the office of the veterinarian in charge of the quarantine facility[9] during regular business hours (8:00 a.m. to 4:30 p.m. Monday through Friday, excluding holidays) no later than 15 days for birds prior to the beginning of the time of importation as specified in the import permit or as arranged with the veterinarian in charge of the quarantine facility if no import permit is required (the 15 day period shall not include Saturdays, Sundays, or holidays), or

(B) The Administrator determines that services, other than provided by carriers, necessary for the importation of the poultry or birds within the requested period are unavailable because of unforeseen circumstances as determined by the Administrator, (such as the closing of an airport due to inclement weather or the unavailability of the reserved space due to the extension of another quarantine.)

[9] The addresses of USDA quarantine facilities may be found in telephone directories listing the facilities or by contacting the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

(v) If the reservation fee was ensured by a letter of credit and the fee is to be forfeited under paragraph (a)(3)(iv) of this section, the Department will draw against the letter of credit unless the reservation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(vi) When a reservation is cancelled in accordance with paragraph (a)(3)(iv)(A) of this section and the provisions of paragraph (a)(3)(iv)(B) of this section do not apply, a $40.00 cancellation fee shall be charged. If a reservation fee was paid, the cancellation fee shall be deducted from any reservation fee returned to the importer or the importer's agent. If the reservation fee was ensured by a letter of credit, the Department will draw the amount of the cancellation fee against the letter of credit unless the cancellation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(4) Permit applications for ratites.

(i) If quarantine space for ratites is desired at either the New York Animal Import Center or the Miami Animal Import Center, permit applications must be submitted to the New York Animal Import Center, USDA, APHIS, Veterinary Services, 200 Drury Lane, Rock Tavern, NY, 12575, or to the port veterinarian in charge of the New York Animal Import Center.

(ii) If quarantine space for ratites other than ostriches is desired at the Hawaii Animal Import Center, permit applications must be submitted to the Hawaii Animal Import Center, USDA, APHIS, Veterinary Services, P.O. Box 50001, Honolulu, HI, 96850, or to the port veterinarian in charge of the Hawaii Animal Import Center.

(iii) Quarantine space for ratites will be offered in the order that permit applications are or have been received, beginning with those permit applications received on August 12, 1991. Reservations for quarantine space at the Miami Animal Import Center will be limited to a maximum of 100 ratites per permit application. There will be a single waiting list for quarantine space at the Miami Animal Import Center and the New York Animal Import Center. Importers who prefer one of these two facilities over the other may remain on the waiting list until space opens up at the facility of their choice. A separate waiting list will be maintained for space at the Hawaii Animal Import Center. Ostriches may not be quarantined at the Hawaii Animal Import Center.

(b) *Permit.* Except as provided in paragraph (c) of this section, when a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to insure that the shipper presents the copy of the permit to the carrier and makes proper arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs. The time prescribed in permits from the importation of pet birds, commercial birds, zoological birds, or research birds, shall not exceed 30 days, and for performing or theatrical birds shall not exceed 90 days. Birds for which a permit is required by these regulations will not be eligible for entry if a permit has not been issued; if unaccompanied by such a permit; if shipment is from any port other than the one designated in the permit; if arrival in the United States is at any port other than the one designated in the permit; if the birds offered for entry differ from those described in the permit.

(c) Notwithstanding any other provisions in this part, importers are not required to obtain an import permit and provide the shipper with an original import permit for each individual shipment of birds other than ratites transiting the port of Anchorage, Alaska, if the following conditions are met:

(1) The importer applies for and obtains an import permit for multiple shipments of birds transiting the port of Anchorage, Alaska, in accordance with the provisions of this section and related requirements concerning application for the permit. However, the following information is not required on the application:

(i) The species, breed, and number of birds to be imported;

(ii) The region of origin;

(iii) The name and address of the exporter;

(iv) The port of embarkation in the foreign region;

(v) The mode of transportation and the route of travel;

(vi) The proposed date of arrival of the birds; and

(vii) The name and address of the person to whom the birds or poultry will be delivered.

(2) The importer completes a copy of the import permit obtained under paragraph (c)(1) of this section for each separate shipment of birds intended to transit the port of Anchorage, Alaska, by inserting the following information on a copy of the permit:

(i) The species, breed, and number of birds to be imported;

(ii) The region of origin;

(iii) The name and address of the exporter;

(iv) The port of embarkation in the foreign region;

(v) The mode of transportation and the route of travel;

(vi) The proposed date of arrival of the birds; and

(vii) The name and address of the person to whom the birds will be delivered.

(3) The importer, not less than 2 weeks prior to the anticipated date of arrival of each separate intransit shipment of birds at the port of Anchorage, Alaska, provides the port veterinarian with a copy of the completed import permit;

(4) A copy of the completed import permit accompanies each separate intransit shipment of birds or poultry to the port of Anchorage, Alaska;

(5) Import permits issued for multiple shipments of birds transiting the port of Anchorage, Alaska, will be valid only during the calendar year in which they are issued.

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§93.104 Certificate for pet birds, commercial birds, zoological birds, and research birds.

(a) *General.* All pet birds, except as provided for in §93.101 (b) and (c) of this part; all research birds; and all commercial birds and zoological birds, including ratites and hatching eggs of ratites, offered for importation from any part of the world, shall be accompanied by a certificate issued by a full-time salaried veterinary officer of the national government of the exporting region, or issued by a veterinarian authorized or accredited by the national government of the exporting region and endorsed by a full-time salaried veterinary officer of the national government of that region.

(b) *Birds other than ratites.* The certificate for birds other than ratites must state:

(1) That all birds covered by the certificate have been inspected by the veterinarian issuing the certificate;

(2) That no evidence of Newcastle disease, chlamydiosis, or other communicable disease of poultry was found among the birds;

(3) That insofar as has been possible to determine, the birds were not exposed to Newcastle disease, chlamydiosis, or other communicable disease of poultry during the 90 days immediately preceding their exportation;

(4) That the birds have not been vaccinated with Newcastle disease vaccine;

(5) That Newcastle disease did not occur anywhere on the premises from which the birds were to be exported or on adjacent premises during the 90 days immediately preceding the exportation of the birds;

(6) That neither the premises from which the birds were to be exported nor any adjacent premises were located in any area under quarantine for poultry diseases at any time during the 90 days immediately preceding the exportation of the birds; and

(7) That the birds were placed into previously unused containers at the premises from which the birds were to be exported.

(c) *Ratites other than hatching eggs.* The certificate for ratites other than hatching eggs must state:

(1) That, except as provided in paragraph (c)(13) of this section, all ratites covered by the certificate, and their flock of origin, have been inspected by the veterinarian issuing the certificate;

(2) That, except when the certificate is for zoological birds or ratites imported from Canada in accordance with §93.107, the flock of origin is penraised and the ratites covered by the certificate were produced and maintained in that flock;

(3) That no evidence of Newcastle disease, chlamydiosis, or other communicable disease of poultry was found in the flock of origin;

(4) That insofar as has been possible to determine, the flock of origin was not exposed to Newcastle disease, chlamydiosis, or other communicable disease of pountry during the 90 days immediately preceding the exportation;

(5) That none of the ratites intended for shipment to the United States have been vaccinated with Newcastle disease vaccine;

(6) That Newcastle disease did not occur anywhere on the premises where the flock of origin was kept or on adjacent premises during the 90 days immediately preceding the exportation;

(7) That neither the premises where the flock of origin was kept nor any adjacent premises was located in any area under quarantine for poultry diseases at any time during the 90 days immediately preceding the exportation;

(8) That, except as provided in §93.107 for ratites imported from Canada for immediate slaughter, the ratites were treated at least 3 days but not more than 14 days before being loaded for shipment to the United States with a pesticide of a type and concentration sufficient to kill ectoparasites on the ratites;

(9) That the pesticide was applied to all body surfaces of the ratites under the supervision of the veterinarian issuing the certificate;

(10) That the ratites, after being treated for ectoparasites, did not have physical contact with, or share a pen or bedding materials with, any ratite not in the same shipment to the United States; and

(11) That the ratites were placed in previously unused containers for shipment to the United States at the premises where the flock of origin was kept.

(12) The number of ratites contained in the shipment;

(13) That the number of ratites and hatching eggs of ratites exported from the flock of origin has not exceeded the ceiling required to be established under §93.101(b)(3)(ix);

(14) That all the ratites and hatching eggs of ratites in the flock from which the ratites come were identified in accordance with §93.101(b)(3);

(15) Except for ratites imported from Canada in accordance with §93.107, the number of ratite laying hens in the flock from which the ratites come;

(16) For ratites required to be treated prior to shipment with a pesticide for ectoparasites, the certificate must also state the name, concentration, and date of administration of the pesticide used to treat the ratites;

(17) When ratites intended for importation are zoological birds, only the ratites to be imported must be inspected, and the provisions in paragraphs (c)(3), (c)(4), (c)(5), (c)(6), (c)(7), and (c)(11) that apply to the flock of origin shall apply only to the ratites intended for importation.

(d) *Hatching eggs of ratites.* The certificate for hatching eggs of ratites must state:

(1) That the flock of origin of the hatching eggs has been inspected by the veterinarian issuing the certificate;

(2) That, except when the certificate is for hatching eggs of ratites imported from Canada in accordance with §93.107, the flock of origin is penraised, and the hatching eggs covered by the certificate were produced by that flock;

(3) That no evidence of Newcastle disease, chlamydiosis, or other communicable disease of poultry was found in the flock of origin;

(4) That insofar as has been possible to determine, the flock of origin was not exposed to Newcastle disease, chlamydiosis, or other communicable disease of poultry during the 90 days immediately preceding the exportation of the hatching eggs;

(5) That Newcastle disease did not occur anywhere on the premises where the flock of origin was kept or on adjacent premises during the 90 days immediately preceding the exportation of the hatching eggs;

(6) That neither the premises where the flock of origin was kept nor any adjacent premises were located in any area under quarantine for poultry diseases at any time during the 90 days immediately preceding the exportation of the hatching eggs; and

(7) That the hatching eggs were placed into previously unused containers for shipment to the United States at the premises where the flock of origin was kept.

(8) The number of hatching eggs contained in the shipment;

(9) That the number of ratites and hatching eggs of ratites exported from the flock of origin has not exceeded the ceiling required to be established under §93.101(b)(3)(ix);

(10) That all the ratites and hatching eggs of ratites in the flock from which the hatching eggs come were identified in accordance with §93.101(b)(3);

(11) Except for hatching eggs of ratites imported from Canada in accordance with §93.107, the number of ratite laying hens in the flock from which the hatching eggs come.

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§93.105 Inspection at the port of entry.

(a) All commercial birds, zoological birds, and research birds, including hatching eggs of ratites, but excluding other ratites, imported into the United States, must be inspected by the port veterinarian at the Customs port of entry, which may be any international airport, or any land-border port within 20 miles of an international airport, serviced by Customs, as well as, for Canadian-origin hatching eggs of ratites, ports listed in §93.107 (c). However, hatching eggs of ratites may be shipped, in bond, from the port of first arrival to the Customs port of entry at which they will be quarantined, for inspection, at that port.

(b) All pet birds imported from any part of the world, except pet birds from Canada and pet birds meeting the provisions of §93.101(c)(2), shall be subjected to inspection at the Customs port of entry by a veterinary inspector of APHIS and such birds shall be permitted entry only at the ports listed in §93.102(a). Pet birds of Canadian origin and those birds meeting the provisions of §93.101(c)(2) shall be subject to veterinary inspection at any of the ports of entry listed in §93.102 and 93.203.

(c) Ratites, other than hatching eggs of ratites, imported from any part of the world must be inspected at the Customs port of entry by a veterinary inspector of APHIS and, except as provided in §93.107(b) for ratites imported from Canada, shall be permitted entry only at one of the following ports of entry:

(1) Ostriches:

(i) Up to 36 inches in height (as measured from the top of the head to the base of the feet) or 30 pounds in weight: New York, NY; Stewart Airport, Newburgh, NY; and Miami, FL.

(ii) Exceeding 36 inches in height or 30 pounds in weight: New York, NY, and Stewart Airport, Newburgh, NY.

(2) Ratites other than ostriches: New York, NY; Stewart Airport, Newburgh, NY; Miami, FL; and Honolulu, HI.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 31867, July 12, 1991; 57 FR 21726, May 22, 1992; 59 FR 36026, July 15, 1994; 59 FR 47069, Sept. 14, 1994; 61 FR 68126, Dec. 27, 1996. Redesignated and amended at 62 FR 56012, 56014, Oct. 28, 1997]

§93.106 Quarantine requirements.

(a) *Birds other than ratites and hatching eggs of ratites.* Each lot of pet birds, except as provided for in §93.101(c) of this part; research birds; and commercial birds and zoological birds, except ratites and hatching eggs of ratites, imported into the United States shall be quarantined for a minimum of 30 days, and for such longer period as may be required by the Administrator, in any specific case, on an ''all-in, all-out'' basis, at a Customs port of entry, at a USDA quarantine facility when arrangements have been made in advance

by the importer and approval is granted in the permit described in § 93.103, or in facilities that meet the requirements of paragraph (c) of this section. At a USDA quarantine facility each psittacine bird shall be individually identified by the Department within 7 days of the entry of the bird into the bird quarantine facility with a serially numbered legband which has been coded to the quarantine facility or by other suitable means of identification. The identification device must be approved by the Administrator, before it shall be used to identify birds under this section. Such means of identification shall be supplied by the Department at cost to the importer. The Department shall make an identification record at the time such bird is so identified containing the species of the bird, including the common and scientific name, and the number of the identification device placed on the bird. The daily log and the identification record shall be maintained for 12 months following the date of the release of the bird from quarantine. Prior to use of a privately owned quarantine facility, a Cooperative and Trust Fund Agreement as set forth in paragraph (c)(7) of this section shall be executed by the importer and the Department and appropriate funds shall be deposited with the Administrator pursuant to the Cooperative and Trust Fund Agreement. If the birds are found free of evidence of communicable diseases of poultry during quarantine, then the port veterinarian shall issue an agriculture release for entry through U.S. Customs. If the birds are found during port of entry inspection or during quarantine, to be infected with or exposed to a communicable disease of poultry, such birds shall be refused entry or shall be held for an additional period in quarantine until determined to be free of evidence of any communicable disease, or shall be otherwise disposed of as directed by the Administrator, in accordance with the provisions of section 2 of the Act of July 2, 1962 (21 U.S.C. 134a). See also paragraph (c)(3)(ii)(E) of this section.

(b) *Ratites and hatching eggs of ratites.* (1) Each lot of ratites imported from any part of the world except as provided in § 93.107, shall be quarantined upon arrival for a minimum of 30 days, and for such longer period as may be required by the Administrator to determine the ratites' freedom from ectoparasites and communicable diseases. Quarantine shall be on an ''all-in, all-out'' basis, as described in paragraph (c)(3)(ii)(A) of this section, at the New York Animal Import Center at Newburgh, NY, when the port of entry is either New York, NY, or Stewart Airport, Newburgh, NY; the Hawaii Animal Import Center at Honolulu, HI, when the port of entry is Honolulu, HI; or at the Miami Animal Import Center, Miami, FL, when the port of entry is Miami, FL. Reservations for space in these quarantine facilities must be made in advance of arrival and in accordance with § 93.103 of this part.

(2) Each lot of hatching eggs of ratites imported from any part of the world except as provided in § 93.107, shall be quarantined upon arrival, incubated for the full incubation period (approximately 42 days), and held in quarantine for a minimum of 30 days following the hatch of the last chick in the lot, and for such longer period as may be required by the Administrator to determine the ratites' freedom from communicable diseases. Quarantine shall be conducted at a facility that meets the requirements of paragraph (c) of this section, and in the manner prescribed by paragraph (c) of this section.

(3) During the quarantine period, the ratites, including chicks hatched in quarantine, shall be tested for viral diseases of poultry, including Newcastle disease. If any of the ratites exhibit evidence of other communicable diseases, they will be subjected to such additional tests as may be required by the Administrator to determine their freedom from communicable diseases. Ratites other than those imported as hatching eggs also shall be treated for ectoparasites[10] by an inspector until

[10] APHIS will use an EPA registered dust formulation that contains 5 percent carbaryl as the only active ingredient. The dust formulation will be used in accordance with all applicable directions, restrictions, and precautions on the label. Treated birds may not be slaughtered for food purposes.

the inspector determines that the ratites are free of ectoparasites.

(4) If the ratites, including chicks hatched during quarantine, are determined to be free of communicable diseases, the port veterinarian shall issue an agricultural release for entry through U.S. Customs. If the port veterinarian finds evidence of communicable disease, or exposure to communicable disease, during port of entry inspection or quarantine of the ratites, the ratites shall be refused entry, or shall be held in quarantine until they are determined to be free of communicable disease, or shall be otherwise disposed of as directed by the Administrator, in accordance with §2 of the Act of July 2, 1962 (21 U.S.C. 134a).

(c) *Standards for privately owned bird quarantine facilities and handling procedures for importation of birds.* Before the Administrator will issue an import permit for a lot of birds, the Administrator must determine that the privately owned bird quarantine facility to be used to quarantine birds imported into the United States (the facility) and its maintenance and operation meet the minimum requirements of paragraphs (c)(1) through (c)(5) of this section, that adequate APHIS personnel are available to provide services required by the facility, and that a Cooperative and Trust Fund Agreement between the importer and the Department has been executed, and the required funds have been deposited, in accordance with that agreement. The cost of the facility and all costs associated with its maintenance and operation must be borne by the importer, in accordance with the provisions of paragraph (e) of this section.

(1) *Supervision of the facility.* The facility shall be maintained under the supervision of the port veterinarian at the Customs port of entry.

(2) *Physical plant requirements.* The facility shall comply with the following requirements:

(i) *Location.* Each privately owned bird quarantine facility shall be located:

(A) Within the immediate metropolitan area of the port of entry to prevent the imported birds, while in transit to the quarantine facility, from introducing or disseminating disease to domestic poultry or livestock.

(B) At least one-half mile from any concentration of avian species, such as, but not limited to, poultry processing plants, poultry or bird farms, pigeon lofts, or other bird quarantine facilities. Factors such as prevailing winds, the efficiency of the air filtration system of the quarantine facility, possible exposure to poultry or birds moving in local traffic, etc., shall be taken into consideration.

(ii) *Construction.* Each quarantine facility shall consist of a single, self-contained building, which shall:

(A) Be constructed only with material that can withstand continued cleaning and disinfection. All solid walls, floors, and ceilings must be constructed of impervious material. All openings to the outside must be double-screened, with an interior screen of metal or nylon mesh that is impervious to biting insects such as gnats or mosquitos, and an exterior metal screen that is rodent-proof and is made of wire, such as rabbit wire, hardware cloth, or smooth welded wire, with mesh size no larger than 1 inch x 1.5 inches (2.54 cm x 3.81 cm). The interior and exterior screens must be separated by at least 3 inches (7.62 cm);

(B) Have a bird holding area of sufficient size to prevent overcrowding of the birds in quarantine. (All access into this holding area shall be from within the building and each entryway into such area shall be equipped with self-closing, double doors: *Provided,* That emergency exits to the outside may exist in the bird holding area if required by local fire ordinances. Such emergency exits shall be constructed so as to permit their opening from the inside of the facility only.);

(C) Have a ventilation capacity sufficient to control moisture and odor at levels that are not injurious to the health of the birds in quarantine;

(D) Have a vermin-proof feed storage area;

(E) Have office space for record-keeping;

(F) Have a separate necropsy room which shall have refrigerated storage

space for carcasses retained for laboratory examination and facilities adequate for specimen preparation and carcass disposal;

(G) Have a separate area for washing facility equipment;

(H) Have a shower at the entrance into the area comprised of the bird holding and necropsy rooms and a clothes storage and change area at each end of the shower area;

(I) Have a storage area for equipment necessary for quarantine operations;

(J) Have equipment necessary to maintain the facility in clean and sanitary condition, including insect and pest control equipment;

(K) Have a receptacle for soiled and contaminated clothing in the clothes change area located nearest the entrance to the bird holding area;

(L) All construction must be completed before any permit application is submitted in accordance with §93.103.

(M) An APHIS representative shall inspect the facility to determine whether the facility complies with the standards set forth in this section before any permit is issued in accordance with §93.103. Inspections shall take place at least once each year.

(N) In addition, a facility for hatching eggs of ratites, in which the hatching eggs of one lot may be quarantined at the same time as the hatched chicks from the previously quarantined lot, shall:

(*1*) Have a wall or a wall with a lockable door separating the incubator/hatcher area from the bird (chick) holding area, and this wall or wall-with-door shall provide an airtight seal between the two areas, shall be impervious to water, and shall be able to withstand continued cleaning and disinfection;

(*2*) Have a necropsy or sample collection area in both the incubator/hatcher area and the bird (chick) holding area; and

(*3*) Have separate entrances, showers, toilets, and dressing room facilities for the exclusive use of personnel working in the incubator/hatcher area and the bird (chick) holding area.

(O) The bird (chick) holding area in any facility for hatching eggs of ratites shall be of a size large enough to accommodate 75 percent of the incubator capacity, with a minimum of 10 square feet per egg.

(P) If a facility for hatching eggs of ratites has a sun room, the sun room shall be connected to the chick holding area by a wall with a lockable door. This wall; the other walls, if any; and the flooring, must be impervious to water and able to withstand continued cleaning and disinfection. All walls of the sun room must be at least 8 feet high.

(*1*) Any of the exterior walls may be replaced by a double-screened wall set in a concrete or concrete-block curb. The double screening shall be of wire mesh or wire mesh and nylon mesh, as provided in paragraph (c)(2)(ii)(A) of this section, with the interior and exterior screens of the sun room wall separated by at least 3 inches (7.62 cm); the concrete or concrete block curb must be at least 12 inches high, impermeable to water, and able to prevent the escape of water, manure, and debris.

(*2*) The sun room shall have a roof, such as a double-mesh-screened roof or a glass roof, that is both impervious to free-flying birds and biting insects (such as gnats or mosquitoes) and capable of preventing contact between chicks and free-flying birds.

(*3*) Be attended by personnel working in the bird (chick) holding area whenever chicks are in the sun room.

(iii) *Sanitation and security.* Arrangements shall exist for:

(A) A supply of water adequate to meet all watering and cleaning needs.

(B) Disposal of wastes by incineration or a public sewer system which meets all applicable environmental quality control standards;

(C) Control of surface drainage onto or from the facility to prevent any disease agent from entering or escaping;

(D) Protective clothing and footwear adequate to insure that workers at the facility have clean clothing and footwear at the start of each workday and at any time such articles become soiled or contaminated;

(E) Power cleaning and disinfecting equipment with adequate capacity to disinfect the facility and equipment;

(F) Sufficient stocks of a disinfectant authorized in §71.10(a)(5) of this chapter;

(G) A security system which prevents contact of birds in quarantine with persons not authorized entry to the facility and with other birds and animals. Such a system shall include a daily log to record the entry and exit of all persons entering the facility and controls at all doorways and other openings to the facility to prevent escape or accidental entry of birds.

(3) *Operational procedures.* The following procedures shall be observed at the facility at all times.

(i) *Personnel.* Access to the facility shall be granted only to persons working at the facility or to persons specifically granted such access by the port veterinarian.

(A) All personnel granted access to the bird holding area or the incubator/hatcher area shall:

(*1*) Wear clean protective clothing and footwear upon entering the bird holding area or the incubator/hatcher area;

(*2*) Change protective clothing and footwear when they become soiled or contaminated;

(*3*) Shower when entering and leaving any bird holding area, any incubator/hatcher area, and any necropsy area. Showering when moving between the incubator/hatcher area and the bird holding area is not required when the eggs in the hatching area and the chicks in the holding area are part of the same lot;

(*4*) Work exclusively with one lot of birds until the lot's release from quarantine, and have no contact with other birds or poultry until the release date.

(B) The importer shall handle soiled clothing worn within the quarantine unit in a manner approved by the port veterinarian as adequate to preclude transmission of a poultry disease agent from the facility.

(ii) *Handling of the birds in quarantine.* The birds shall be kept in the quarantine facility for a minimum of 30 days and while in quarantine shall be handled in compliance with the following requirements:

(A) Each lot of birds to be quarantined shall be placed in the facility on an ''all-in, all-out'' basis. No birds shall be taken out of the lot while it is in quarantine except for diagnostic purposes and if additional birds are added to a lot, the total quarantine period for that lot shall be extended so that all birds will have completed at least 30 consecutive days of quarantine before release for entry into the commerce of the United States. The quarantine period may be extended as provided in paragraph (a) of this section.

(*1*) Hatching eggs of ratites comprising a single lot may be added to the facility in stages, provided the entire lot has been placed in the facility no later than 15 days after the arrival of the first shipment.

(*2*) If hatching eggs of ratites begin to hatch in the incubator/hatcher area while ratite chicks from the previously quarantined lot remain in the bird (chick) holding area, then the separate lots assume the status of a single lot, and will be released from quarantine in accordance with paragraph (c)(3)(ii)(A) of this section.

(B) The birds may be vaccinated during quarantine only with a vaccine that has been approved by the Administrator, and is administered by a licensed veterinarian under the direct supervision of a veterinarian employed by the Animal and Plant Health Inspection Service. The Administrator will approve a vaccine if:

(*1*) The vaccine is licensed by the Animal and Plant Health Inspection Service in accordance with §102.5 of this chapter; and

(*2*) The vaccine is not one that is used to prevent Newcastle disease, avian influenza, or any other hemagglutinating virus of poultry.[11]

(C) Birds of the psittacine family shall receive a balanced, medicated feed ration treatment containing not less than 1% CTC with not more than 0.7% calcium for the entire quarantine period as a precautionary measure against chlamydiosis (psittacosis).

(D) The importer shall immediately collect all birds which die in quarantine and hold them under refrigeration, within the facility, shall account for all birds in the shipment, and shall not dispose of any carcass or parts thereof unless authorized to do so by a

[11] A list of approved vaccines is available from the the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

Veterinary Medical Officer of APHIS of the Department. Birds that die enroute to the United States or while in quarantine shall be made available at the port of entry for necropsy by a Department poultry disease diagnostician who may submit specimens from such birds for laboratory examination.

(E) During the period of quarantine, the birds shall be subjected to such tests and procedures as are required in specific cases by the port veterinarian, to determine whether the birds are free from communicable diseases of poultry and it shall be the responsibility of the importer to identify individually each psittacine bird within 7 days of the entry of the bird into the quarantine facility with a serially numbered legband which has been coded to the quarantine facility or by other suitable means of identification. Any identification device must be approved by the Administrator, upon written request to him, before it shall be used to identify birds under this section. Such means of identification shall be supplied by the importer, and the importer shall insure that each bird is so identified at the time the bird is released from the facility. If frank or clinical Newcastle disease occurs among any birds in quarantine, all birds in the facility shall be destroyed or refused entry and the entire facility shall be thoroughly cleaned and then disinfected as directed under the supervision of an inspector.

(F) The quarantine facility from which a lot of birds has been released shall be thoroughly cleaned and disinfected with a disinfectant authorized in §71.10(a)(5) of this chapter, under supervision of an inspector before a new lot is placed in the facility.

(iii) *Records.* It shall be the responsibility of the importer to maintain a current daily log for each lot of birds, recording such information as the general condition of the birds each day, source of origin of the birds in the lot, total number of birds in the lot when imported, number of dead birds when lot arrived, date lot was placed into the facility, number of deaths each day in the lot during the quarantine period, necropsy results, and laboratory findings on birds that died during the quarantine date of prescribed tests and results, Department import permit numbers of each lot, date lot was removed from the facility, and any other observations pertinent to the general health of the birds in the lot. The importer shall also make an identification record, at the time each psittacine bird is identified, containing the species of the bird, including the common and scientific name and the number of the identification device placed on each psittacine bird. The daily log and the identification record shall be maintained for 12 months following the date of release of the bird from quarantine and shall be made available to APHIS personnel upon request.

(4) Additional requirements as to location, security, physical plant and facilities, sanitation, and other items may be imposed by the Administrator, in each specific case in order to assure that the quarantine of the birds in such facility will be adequate to enable determination of their health status, prevent spread of disease among birds in quarantine, and prevent escape of poultry disease agents from the facility.

(5) Cooperative and Trust Fund Agreement for services required by importer at a privately owned bird quarantine facility.

(i) When the Administrator determines that a privately owned bird quarantine facility meets the requirements set forth in paragraph (c) of this section, the Department and the importer shall execute a Cooperative and Trust Fund Agreement, as specified in paragraph (c)(5)(iii) of this section. In conjunction with the Cooperative and Trust Fund Agreement, the importer shall deposit with the Administrator a money order or cashier's check in an amount determined by the Administrator to cover all costs incurred by the Department in providing services in accordance with the provisions of the Cooperative and Trust Fund Agreement. Any unobligated funds will, upon request, be returned to the importer, after the birds' release from quarantine.

(ii) The Administrator may provide services required by the importer at a privately owned quarantine facility for the importation of birds on a first come, first served basis, if adequate

APHIS personnel are available to provide those services, upon determining that the importer has executed a Cooperative and Trust Fund Agreement, and has deposited funds in an amount determined by the Administrator to be sufficient to cover all costs incurred by the Department in providing services in accordance with that agreement, as specified in paragraph (c)(5)(iii) of this section.

(iii) Cooperative and Trust Fund Agreement.

COOPERATIVE AND TRUST FUND AGREEMENT BETWEEN _____ (NAME OF IMPORTER) AND THE UNITED STATES DEPARTMENT OF AGRICULTURE, ANIMAL AND PLANT HEALTH INSPECTION SERVICE.

This agreement is made and entered into by and between ——- (name of importer), hereinafter referred to as the Importer, and the U.S. Department of Agriculture, Animal and Plant Health Inspection Service, hereinafter referred to as the Service, with respect to _____ (quarantine facility and address of facility). Whereas, the Service is authorized pursuant to section 2 of the Act of February 2, 1903, as amended, section 11 of the Act of May 29, 1884, as amended, and section 4 of the Act of July 2, 1962 (21 U.S.C. 111, 114a, and 134c, respectively), to regulate the introduction of animals into the United States in order to prevent the introduction of animal and poultry diseases into the United States; and

Whereas, the Importer is interested in the importation of certain birds from regions presently under restrictions for such importation; and

Whereas, the Importer is equipped with a bird quarantine facility that meets the requirements of paragraph (c) of this section; and

Whereas, the Importer has requested the Service to conduct inspections, perform laboratory procedures, complete examinations, and supervise the isolation, quarantine, and care and handling of birds to insure that they meet the Department's quarantine requirements before release into the United States; and

Whereas, it is the intention of the parties hereto that such cooperation shall be for their mutual benefit and the benefit of the people of the United States;

Now therefore, for and in consideration of the promises and mutual covenants herein contained, the parties hereto do hereby mutually agree with each other as follows:

(A) The Importer Agrees:

(1) To operate the quarantine facility in accordance with all Federal Laws and regulations.

(2) To provide a current list of designated personnel employed by the Importer who will be used to handle and care for birds during the quarantine period. The list will include the legal names, current residential addresses, and social security numbers of the designated personnel. The list will be furnished to the port veterinarian at the time an application for an import permit to import birds into the quarantine facility is submitted to the Service. The list will be updated for any changes in or additions to the designated personnel in advance of such personnel working in the quarantine facility.

(3) To furnish to the Service a signed statement from each of the designated personnel employed by the Importer which provides that such personnel agree that for a period of 3 days from their most recent contact with birds in the quarantine facility, such personnel will refrain from having contact with other birds and poultry. This restriction ceases to apply on the date the birds are released from quarantine.

(4) To not permit any designated personnel which the Service determines to be unfit to be employed at a quarantine facility upon written notice from the Service. Such determination shall be based upon such employee's committing or aiding and abetting in the commission of any violation of title 9, Code of Federal Regulations, part 93. The Importer further agrees to suspend any designated employee from working at a quarantine facility when the Service has reason to believe that such employee has violated any provision of title 9, Code of Federal Regulations, part 93, and the Administrator has determined that the actions of such employee constitute a severe threat to introduce or disseminate a communicable disease of poultry into the United States. Such action shall be made upon receipt of notice from the Service requiring such action by the Importer.

(5) To allow the unannounced entry into the quarantine facility of Service personnel or other persons authorized by the Service for the purpose of inspecting birds in quarantine, the operations at the quarantine facility and to ascertain compliance with the Standards for quarantine facilities and handling procedures for importation of birds contained in title 9, Code of Federal Regulations, §93.106(c).

(6) To provide permanent restrooms in both the clean and the quarantine areas of the quarantine facility.

(7) To provide a T.V. monitoring system or a window or windows sufficient to provide a full view of the quarantine area excluding the clothes changing area.

(8) To install a communication system between the clean and quarantine areas of the quarantine facility. Such communication

system shall not interfere with the maintenance of the biological security of the quarantine area.

(9) To secure all windows and any openings in the quarantine facility in a manner satisfactory to the Department which will insure the biological security of the quarantine facility and prevent the unauthorized removal of birds.

(10) To install tamperproof hasps and to install hinges on doors from which the pins cannot be removed.

(11) To install a hood with a viewing window over the necropsy table.

(12) To bag waste material in leakproof bags. Such material shall be handled in a manner that spoilage is kept to a minimum and control of pests is maintained. Such material shall be disposed of by incineration or by public sewer or other method authorized by the Administrator to prevent the spread of disease. The disposition of such material shall only be under the direction and supervision of the Service.

(13) To feed chlortetracycline to psittacine birds, upon their arrival in the facility as prescribed in §93.106(c)(3)(ii)(C).

(14) To install an electronic security system which is coordinated through or with the local police so that monitoring of the quarantine facility is maintained whenever Service personnel are not at the facility or, in lieu of such electronic monitoring system to arrange for continuous guarding of the facility with personnel from a bonded, security company. *Provided,* That, if exotic Newcastle disease is diagnosed in any of the birds in the quarantine facility, continuous guarding of the facility with personnel from a bonded security company shall be maintained by the Importer. The electronic security system if installed shall be of the ''silent type'' and shall be triggered to ring at the monitoring site and not at the facility. The electronic system shall be approved by Underwriter's Laboratories.

Written instructions shall be provided to the monitoring agency which shall require that upon activation of the alarm, the police and a representative of the Service designated by the Service shall be notified by the monitoring agency. Such instructions, as well as any changes in such instructions, shall be filed in writing with the Administrator. The Importer shall notify the Service whenever a break in security occurs or is suspected of occurring.

(15) To not have non-Service personnel in the quarantine area when birds are in the quarantine facility unless Service personnel are present.

(16) To have seals of the Service placed on all entrances and exits of the facility when determined necessary by the Service and to take all necessary steps to ensure that such seals are only broken in the presence of Service personnel.

(17) To decide what the disposition of a lot of birds will be within 48 hours following official notification that such a lot is infected with or exposed to exotic Newcastle disease. Final disposition of the infected or exposed lot is to be accomplished within 4 working days following official notification. Disposition of the birds will be under the supervision of the Service.

(18) To furnish a telephone number or numbers to the Service at which the Importer can be reached on a daily basis or furnish the same for an agent or representative that can act and make decisions on the Importer's behalf.

(19) To deposit with the Service, upon execution of this agreement, a money order or cashier's check, in an amount determined by the Administrator to be sufficient to defray all costs incurred by the Service in providing services required. If such costs exceed the deposited amount, the importer will pay for additional costs incurred, based on official accounting records, within 14 days of receipt of the bill showing the balance due.

(20) To provide for the maintenance and operation of the quarantine facility in accordance with standards for quarantine facilities and handling procedures for importation of birds contained in title 9, Code of Federal Regulations, §93.106(c).

(B) The Service agrees:

(1) To furnish the services of technical and/or professional personnel needed to conduct inspections, perform laboratory procedures, complete examinations, and supervise the isolation, quarantine, and care and handling of birds being imported to ensure that they meet the Department's quarantine requirements before release into the United States.

(2) To issue permits 3 working days following receipt of the permit application, depending upon the availability of personnel to provide the services required for quarantine and the results of an APHIS representative's inspection of the quarantine facility.

(3) To provide the Importer within 30 days following receipt of a written request from the Importer, with an accounting of funds expended in providing services under paragraph (B)(1) of this agreement. Any unobligated balance upon termination or expiration of this agreement shall be returned to the Importer.

(4) To inform the Importer when a diagnosis of END has been made in any facility.

(5) To promptly inform the Embassy or Consulate of the foreign region to which lots of birds, refused entry into the United States due to a diagnosis of END, are to be shipped.

(6) To notify in writing the Importer of any designated employee which the Service believes should be suspended from work at the quarantine facility and the basis for such action. Similar notice shall be afforded to the designated employee. Subsequent to such suspension, the designated employee shall

have the right to request an immediate review of such action by the Administrator, including presenting his or her views to the Administrator in an informal conference. If the Administrator makes a final determination that grounds existed to suspend such employee, he or she shall notify the Importer and the suspended employee of his or her decision and such employee shall be discharged by the Importer.

(7) Prior to any final determination being made by the Service concerning the discharge of any designated personnel employed by the Importer, the Service will inform, in writing, the Importer and the designated personnel of the basis for such action. If such person contests such action he or she shall be permitted to present his or her views to the Administrator, provided such request is made within 30 days of the receipt of the aforementioned written notice. If a final determination is made by the Administrator that such personnel should be discharged, he or she shall notify such personnel and the Importer of such determination.

(C) It is mutually understood and agreed:

(1) That a maximum capacity will be established for each quarantine lot. This will be based upon the capacity of the quarantine facility to handle the birds. The number of birds on the permits will not exceed this capacity.

(2) If the seals referred to in paragraph (c)(5)(iii)(A)(*16*) of this section are broken by other than Service personnel, it will be considered a breach in security and an immediate accounting of all birds in the facility shall be made by the Service. If any birds are determined to be missing from the facility, the quarantine period will be extended for an additional 30-day period.

(3) During the performance of this cooperative work, the Importer agrees to be bound by the equal opportunity and nondiscrimination provisions as set forth in exhibit B and nonsegregation of facilities provisions as set forth in exhibit C,[12] which are attached hereto and made a part thereof.

(4) No member of or delegate to Congress or resident commissioner, shall be admitted to any share or part of this agreement or to any benefit to arise therefrom; but this provision shall not be construed to extend to this agreement if made with a corporation of its general benefit.

(5) This agreement shall become effective upon date of final signature and shall continue until the permitted lot of birds is released from quarantine. This agreement may be amended by agreement of the parties in writing. It may be terminated by either party upon 30 days written notice to the other party.

Date _____

_____

Importer
Date _____

_____

Administrator, Animal and Plant Health Inspection Service, United States Department of Agriculture

(d) *Charges for services.* The charges to be borne by the importer for services provided for quarantine facilities approved in accordance with paragraph (c) of this section shall be:

(1) The appropriate GS hourly rate (including appropriate premium pay in accordance with 5 U.S.C. 5541–5549) of the employee who actually performs the service, including his or her travel time and his or her travel expenses: *Provided, however,* Such time and travel expense shall not exceed the time and travel expense to and from his or her official duty station;

(2) All applicable user fees, as listed in part 130 of this chapter; and

(3) A surcharge for overhead based on the most current historical data available showing the percentage of APHIS funds expended for administrative support.

(e) Requirements of other Federal laws and regulations, such as the Department's Animal Welfare Regulations in subchapter A of this chapter shall also apply as applicable to the quarantine facilities.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 31867, July 12, 1991; 56 FR 41726, Aug. 22, 1991; 57 FR 21726, May 22, 1992; 58 FR 38957, July 21, 1993; 59 FR 36026, July 15, 1994; 59 FR 47069, Sept. 14, 1994; 59 FR 47235, Sept. 15, 1994; 59 FR 67614, Dec. 30, 1994; 61 FR 31392, June 20, 1996; 61 FR 56891, Nov. 5, 1996. Redesignated and amended at 62 FR 56012, 50614–56015, Oct. 28, 1997]

CANADA[13]

§93.107 Special provisions.

(a) *In-bond shipments from Canada.* Birds from Canada transported in-bond

[12] Import-Export Animals Staff, Veterinary Services, APHIS, USDA, will furnish each importer with copies of exhibits B and C prior to their signing the Cooperative and Trust Fund Agreement.

[13] Importations from Canada shall be subject to §93.107, in addition to other sections in this part which are in terms applicable to such importations.

through the United States for immediate export shall be inspected at the border port of entry and, when accompanied by an import permit obtained under § 93.103 of this part and all conditions therein are observed, shall be allowed entry into the United States and shall be otherwise handled as provided in paragraph (d) of § 93.101.

(b) *Ratites from Canada.* Ratites that were hatched and raised in Canada or ratites that were legally imported into Canada and, upon arrival in Canada, were quarantined for a minimum of 28 days at a Canadian quarantine facility and remained in Canada for an additional 60 days following completion of quarantine may be imported into the United States:

(1) Without being quarantined upon arrival in the United States; and

(2) At any of the following ports of entry: Anchorage, AK; Fairbanks, AK; Los Angeles, CA; San Diego, CA; Denver, CO; Miami, FL; Tampa, FL; Atlanta, GA; Honolulu, HI; Eastport, ID; Chicago, IL; New Orleans, LA; Boston, MA; Baltimore, MD; Houlton, ME; Jackman, ME; Detroit, MI; Port Huron, MI; Sault Ste. Marie, MI; Minneapolis, MN; Raymond, MT; Sweetgrass, MT; Buffalo, NY; Champlain, NY; New York, NY; Stewart Airport, Newburgh, NY; Dunseith, ND; Pembina, ND; Portal, ND; Portland, OR; San Juan, PR; Houston, TX; Highgate Springs, VT; Blaine, WA; Seattle, WA; and Sumas, WA; and

(3) If offered for entry at a Canadian land border port listed in § 93.203(b), without an import permit; and

(4) If consigned directly to slaughter from the port of entry, without being treated for ectoparasites within 3 to 14 days before shipment to the United States, as otherwise required by § 93.104(c)(8); and

(5) If in compliance with all of the applicable regulations of the U.S. Fish and Wildlife Service contained in Title 50, subchapter B, of the Code of Federal Regulations.

(c) *Ratite eggs from Canada.* Hatching eggs of ratites that were laid in Canada may be imported into the United States:

(1) Without being quarantined upon arrival in the United States; and

(2) At any of the ports of entry listed in paragraph (b)(2) of this section or authorized by § 93.105(a); and

(3) If offered for entry at a Canadian land border port listed in § 93.203(b), without an import permit; and

(4) If in compliance with all of the applicable regulations of the U.S. Fish and Wildlife Service contained in Title 50, subchapter B, of the Code of Federal Regulations.

[55 FR 31495, Aug. 2, 1990, as amended at 61 FR 68126, Dec. 27, 1996. Redesignated and amended at 56012, 56015, Oct. 28, 1997]

Subpart B—Poultry

§ 93.200 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Fever tick. Boophilus annulatus, including, but not limited to, the varieties Americana and Australia.

Immediate slaughter. Consignment directly from the port of entry to a recognized slaughtering establishment[1] and slaughter thereat within two weeks from the date of entry.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Operator. For the purpose of §93.209, any person operating an approved quarantine facility.

Performing or theatrical poultry. Poultry which are to be used in shows, theatrical acts or performances only.

Port veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys (including eggs for hatching).

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Swine. The domestic hog and all varieties of wild hogs.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

Veterinary services. The Veterinary Services unit of the Department.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

[1] The name of recognized slaughtering establishments approved under this part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

§93.201 General prohibitions; exceptions.

(a) No poultry or product subject to the provisions of this part shall be brought into the United States except in accordance with the regulations in this part and part 94 of this subchapter;[2] nor shall any such poultry or product be handled or moved after physical entry into the United States before final release from quarantine or any other form of governmental detention except in compliance with such regulations; *Provided,* That, the Administrator may upon request in specific cases permit poultry or products to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b) The provisions in this part 93 relating to poultry shall not apply to healthy poultry not known to be infected with or exposed, within the 90 days preceding the date of export from the region of origin, to communicable diseases of poultry, if an import permit[3] has been obtained under §93.204 of this chapter and all conditions therein are observed; and if such poultry are handled as follows:

(1)(i) They are maintained under continuous confinement in transit through the United States aboard an aircraft, ocean vessel, or other means of conveyance; or

(ii) Except for poultry in transit through Anchorage, Alaska, under §93.204(c) of this part, which are not allowed to be unloaded, they are unloaded, in the course of such transit, into an animal or bird holding facility which is provided by the carrier or its

[2] Importations of certain animals from various regions are absolutely prohibited under part 94 because of specific diseases.

[3] Such permit may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Requests for approval of such facilities should also be made to the Deputy Administrator.

agent and has been approved[4] in advance by the Administrator in accordance with paragraph (b)(3) of this section as adequate to prevent the spread within the United States of any livestock or poultry disease, and they are maintained there under continuous confinement until loaded aboard a means of conveyance for transportation from the United States and are maintained under continuous confinement aboard such means of conveyance until it leaves the United States; the import permit will specify any additional conditions necessary to assure that the transit of the poultry through the United States can be made without endangering the livestock or poultry of the United States, and that Department inspectors may inspect the poultry on board such means of conveyance or in such holding facility as provided in section 5 of the Act of July 2, 1962 (21 U.S.C. 134d) to ascertain whether the requirements of this paragraph are met, and dispose of them in accordance with section 2 of the Act of July 2, 1962 (21 U.S.C. 134a) if such conditions are not met; and

(2) The carrier or its agent executes and furnishes to the collector of Customs at the first port of arrival a declaration stating that the poultry will be retained aboard such means of conveyance or in an approved holding facility during transshipment as required by this paragraph.

(3) Provisions for the approval of facilities required in this paragraph are:

(i) They must be sufficiently isolated to prevent direct or indirect contact with all other animals and birds while in the United States.

(ii) They must be so constructed that they provide adequate protection against environmental conditions and can be adequately cleaned, washed and disinfected.

(iii) They must provide for disposal of animal and bird carcasses, manure, bedding, waste and any related shipping materials in a manner that will prevent dissemination of disease.

(iv) They must have provisions for adequate sources of feed and water and for attendants for the care and feeding of poultry in the facility.

(v) They must comply with additional requirements as may be imposed by the Administrator if deemed applicable for a particular shipment.

(vi) They must also comply with all applicable local, State and Federal requirements for environmental quality and with the provisions of the Animal Welfare Regulations in chapter I of this title, as applicable.

(c) Performing or theatrical poultry may be imported at any of the ports of entry listed in §93.203 if accompanied by an import permit as required by §93.204 and such poultry are found upon port of entry veterinary inspection to be free of communicable diseases of poultry.

(d) The provisions in this part relating to poultry shall not be applicable to performing or theatrical poultry.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 56012, 56015, Oct. 28, 1997]

§ 93.202 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.

(a) *Inspection:* All aircraft and other means of conveyance (including shipping containers thereon) moving into the United States from any foreign region are subject to inspection without a warrant by properly identified and designated inspectors to determine whether they are carrying any animal, carcass, product or article regulated or subject to disposal under any law or regulation administered by the Secretary of Agriculture for prevention of the introduction or dissemination of any communicable animal disease (21 U.S.C. 134d).

(b) *Unloading requirements:* Whenever in the course of any such inspection at any port in the United States the inspector has reason to believe that the means of conveyance or container is contaminated with material of animal (including poultry) origin, such as, but not limited to, meat, organs, glands, extracts, secretions, fat, bones, blood, lymph, urine, or manure, so as to present a danger of the spread of any communicable animal disease, the inspector may require the unloading of the means of conveyance and the emptying of the container if he or she

[4] See footnote 3 in subpart B.

deems it necessary to enable him or her to determine whether the means of conveyance or container is in fact so contaminated. The principal operator of the means of conveyance and his or her agent in charge of the means of conveyance shall comply with any such requirement under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(c) *Cleaning and disinfection:* Whenever, upon inspection under this section, an inspector determines that a means of conveyance or shipping container is contaminated with material of animal origin so as to present a danger of the spread of any communicable animal disease, he or she shall notify the principal operator of the means of conveyance or his or her agent in charge, of such determination and the requirements under this section. The person so notified shall cause the cleaning and disinfection of such means of conveyance and container under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(d) For purposes of this section, the term ''shipping container'' means any container of a type specially adapted for use in transporting any article on the means of conveyance involved.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67614, Dec. 30, 1994. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

§ 93.203 Ports designated for the importation of poultry.

(a) *Air and ocean ports.* The following ports have APHIS inspection and quarantine facilities necessary for quarantine stations and all poultry shall be entered into the United States through these stations, except as provided in paragraphs (b), (c), (d) and (e) of this section: Los Angeles, California; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York.

(b) *Canadian border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of poultry from Canada: Eastport, Idaho; Houlton and Jackman, Maine; Detroit, Port Huron, and Sault Ste. Marie, Michigan; Baudette, Minnesota; Opheim, Raymond, and Sweetgrass, Montana; Alexandria Bay, Buffalo, and Champlain, New York; Dunseith, Pembina, and Portal, North Dakota; Derby Line and Highgate Springs, Vermont; Blaine, Lynden, Oroville, and Sumas, Washington.

(c) *Mexican border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of poultry from Mexico: Brownsville, Hidalgo, Laredo, Eagle Pass, Del Rio, Presidio, and El Paso, Texas; Douglas, Naco, Nogales, Sasabe, and San Luis, Arizona; Calexico and San Ysidro, California; and Antelope Wells, and Columbus, New Mexico.

(d) *Limited ports.* The following ports are designated as having inspection facilities for the entry of poultry and poultry products such as poultry test specimens, or hatching eggs and day old chicks which do not appear to require restraint and holding inspection facilities: Anchorage and Fairbanks, Alaska; San Diego, California; Jacksonville, Port Canaveral, St. Petersburg-Clearwater, and Tampa, Florida; Atlanta, Georgia; Chicago, Illinois; New Orleans, Louisiana; Portland, Maine; Baltimore, Maryland; Boston, Massachusetts; Minneapolis, Minnesota; Great Falls, Montana; Portland, Oregon; San Juan, Puerto Rico; Galveston and Houston, Texas; and Seattle, Spokane, and Tacoma, Washington.

(e) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

[55 FR 31495, Aug. 2, 1990, as amended at 58 FR 37642, July 13, 1993; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995. Redesignated at 56012, Oct. 28, 1997]

§ 93.204 Import permits for poultry and for poultry test specimens for diagnostic purposes; and reservation fees for space at quarantine facilities maintained by APHIS.

(a) *Application for permit; reservation required.* (1) For poultry and poultry test specimens for diagnostic screening purposes, intended for importation

from any part of the world, except as otherwise provided for in §§93.204(c), 93.214, 93.217, and 93.218, the importer shall first apply for and obtain from APHIS an import permit. The application shall specify the name and address of the importer; the species, breed, number or quantity of poultry or poultry test specimens to be imported; the purpose of the importation; the region of origin; the name and address of the exporter; the port of embarkation in the foreign region; the mode of transportation, route of travel, and the port of entry in the United States; the proposed date of arrival of the poultry or poultry test specimens to be imported; and the name of the person to whom the poultry or poultry test specimens will be delivered and the location of the place in the United States to which delivery will be made from the port of entry. Additional information may be required in the form of certificates concerning specific diseases to which the poultry are susceptible, as well as vaccinations or other precautionary treatments to which the poultry or poultry test specimens have been subjected. Notice of any such requirement will be given to the applicant in each case.

(2) An application for permit to import poultry may also be denied because of: Communicable disease conditions in the area or region of origin, or in a region where the shipment has been or will be held or through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned regions; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the poultry; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; or any other circumstances which the Administrator believes require such denial to prevent the dissemination of any communicable disease of livestock or poultry into the United States.

(3)(i) The importer or importer's agent shall pay or ensure payment of a reservation fee for each lot of poultry to be quarantined in a facility maintained by USDA. For poultry, the reservation fee shall be 100 percent of the cost of providing care, feed, and handling during quarantine, as estimated by the quarantine facility's veterinarian in charge.

(ii) At the time the importer or the importer's agent requests a reservation of quarantine space, the importer or importer's agent shall pay the reservation fee by check or U.S. money order or ensure payment of the reservation fee by an irrevocable letter of credit from a commercial bank (the effective date on such letter of credit shall run to 30 days after the date the poultry are scheduled to be released from quarantine); except that anyone who issues a check to the Department for a reservation fee which is returned because of insufficient funds shall be denied any further request for reservation of a quarantine space until the outstanding amount is paid.

(iii) Any reservation fee paid by check or U.S. money order shall be applied against the expenses incurred for services received by the importer or importer's agent in connection with the quarantine for which the reservation was made. Any part of the reservation fee which remains unused after being applied against the expenses incurred for services received by the importer or the importer's agent in connection with the quarantine for which the reservation was made, shall be returned to the individual who paid the reservation fee. If the reservation fee is ensured by a letter of credit, the Department will draw against the letter of credit unless payment for services received by the importer or importer's agent in connection with the quarantine is otherwise made at least 3 days prior to the expiration date of the letter of credit.

(iv) Any reservation fee shall be forfeited if the importer or the importer's agent fails to present for entry, within 24 hours following the designated time of arrival, the lot of poultry for which the reservation was made: *Except* that a reservation fee shall not be forfeited if:

(A) Written notice of cancellation from the importer or the importer's

agent is received by the office of the veterinarian in charge of the quarantine facility [5] during regular business hours (8:00 a.m. to 4:30 p.m., Monday through Friday, excluding holidays) no later than 15 days prior to the beginning of the time of importation as specified in the import permit or as arranged with the veterinarian in charge of the quarantine facility if no import permit is required (the 15 day period shall not include Saturdays, Sundays, or holidays), or

(B) The Administrator determines that services, other than provided by carriers, necessary for the importation of the poultry within the requested period are unavailable because of unforeseen circumstances as determined by the Administrator, (such as the closing of an airport due to inclement weather or the unavailability of the reserved space due to the extension of another quarantine).

(v) If the reservation fee was ensured by a letter of credit and the fee is to be forfeited under paragraph (a)(3)(iv) of this section, the Department will draw against the letter of credit unless the reservation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(vi) When a reservation is cancelled in accordance with paragraph (a)(3)(iv)(A) of this section and the provisions of paragraph (a)(3)(iv)(B) of this section do not apply, a $40.00 cancellation fee shall be charged. If a reservation fee was paid, the cancellation fee shall be deducted from any reservation fee returned to the importer or the importer's agent. If the reservation fee was ensured by a letter of credit, the Department will draw the amount of the cancellation fee against the letter of credit unless the cancellation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(b) *Permit.* Except as provided in paragraph (c) of this section, when a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to insure that the shipper presents the copy of the permit to the carrier and makes proper arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs. Poultry and poultry test specimens for diagnostic screening purposes for poultry intended for importation into the United States for which a permit has been issued, will be received at the specified port of entry within the time prescribed in the permit which shall not exceed 14 days from the first day that the permit is effective for all permits, except that the time prescribed in permits from the importation of poultry shall not exceed 30 days, and for performing or theatrical poultry shall not exceed 90 days. Poultry and poultry test specimens for which a permit is required by these regulations will not be eligible for entry if a permit has not been issued; if unaccompanied by such a permit; if shipment is from any port other than the one designated in the permit; if arrival in the United States is at any port other than the one designated in the permit; if the poultry or poultry test specimens offered for entry differ from those described in the permit; or if the poultry or poultry test specimens are not handled as outlined in the application for the permit and as specified in the permit issued.

(c) Notwithstanding any other provisions in this part, importers are not required to obtain an import permit and provide the shipper with an original import permit for each individual shipment of poultry or pigeons transiting the port of Anchorage, Alaska, if the following conditions are met:

(1) The importer applies for and obtains an import permit for multiple shipments of poultry or pigeons transiting the port of Anchorage, Alaska, in accordance with the provisions of this section and related requirements concerning application for the

[5] The addresses of USDA quarantine facilities may be found in telephone directories listing the facilities or by contacting the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

permit. However, the following information is not required on the application:

(i) The species, breed, and number of poultry or pigeons to be imported;

(ii) The individual poultry identification;

(iii) The region of origin;

(iv) The name and address of the exporter;

(v) The port of embarkation in the foreign region;

(vi) The mode of transportation and the route of travel;

(vii) The proposed date of arrival of the poultry or pigeons; and

(viii) The name and address of the person to whom the poultry or pigeons will be delivered.

(2) The importer completes a copy of the import permit obtained under paragraph (c)(1) of this section for each separate shipment of poultry or pigeons intended to transit the port of Anchorage, Alaska, by inserting the following information on a copy of the permit:

(i) The species, breed, and number of poultry or pigeons to be imported;

(ii) The region of origin;

(iii) The name and address of the exporter;

(iv) The port of embarkation in the foreign region;

(v) The mode of transportation and the route of travel;

(vi) The proposed date of arrival of the poultry or pigeons; and

(vii) The name and address of the person to whom the poultry or pigeons will be delivered.

(3) The importer, not less than 2 weeks prior to the anticipated date of arrival of each separate intransit shipment of poultry or pigeons at the port of Anchorage, Alaska, provides the port veterinarian with a copy of the completed import permit;

(4) A copy of the completed import permit accompanies each separate intransit shipment of poultry or pigeons to the port of Anchorage, Alaska;

(5) Import permits issued for multiple shipments of poultry or pigeons transiting the port of Anchorage, Alaska, will be valid only during the calendar year in which they are issued.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67614, Dec. 30, 1994. Redesignated and amended at 56012, 56015, Oct. 28, 1997]

§ 93.205 Certificate for poultry.

All poultry, except eggs for hatching, offered for importation from any region of the world shall be accompanied by a certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, stating that such poultry and their flock or flocks of origin were inspected on the premises of origin immediately before the date of movement from such region and that they were then found to be free of evidence of communicable diseases of poultry, and that, as far as it has been possible to determine, they were not exposed to any such disease common to poultry during the 90 days immediately preceding the date of such movement and that these premises are not located in any area under quarantine during the preceding 90 days. Certificates for such poultry shall also state that the poultry have been kept in the region from which they are offered for importation for at least 90 days immediately preceding the date of movement therefrom or since hatched and that, as far as it has been possible to determine, no case of European fowl pest (fowl plague) or Newcastle disease occurred on the premises where such poultry were kept, or on adjoining premises, during that 90-day period. All eggs for hatching offered for importation from any part of the world, shall be accompanied by a certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a

veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, stating that the flock or flocks of origin were found upon inspection to be free from evidence of communicable diseases of poultry, that no Newcastle disease has occurred on the premises of origin or on adjoining premises during the 90 days immediately preceding the date of movement of the eggs from such region, and that as far as it has been possible to determine such flock or flocks were not exposed to such disease during the preceding 90 days.

[55 FR 31495, Aug. 2, 1992, as amended at 57 FR 28080, June 24, 1992. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

§ 93.206 Declaration and other documents for poultry.

(a) The certificates, declarations, and affidavits required by the regulations in this part shall be presented by the importer or his or her agent to the collector of customs at the port of entry, upon arrival of poultry at such port, for the use of the veterinary inspector at the port of entry.

(b) For all poultry offered for importation, the importer or his or her agent shall first present two copies of a declaration which shall list the port of entry, the name and address of the importer, the name and address of the broker, the origin of the poultry, the number, breed, species, and purpose of the importation, the name of the person to whom the poultry will be delivered, and the location of the place to which such delivery will be made.

§ 93.207 Inspection at the port of entry.

Inspection shall be made at the port of entry of all poultry imported from any part of the world except as provided in §§ 93.215 and 93.220. All poultry found to be free from communicable disease and not to have been exposed thereto within 90 days prior to their exportation to the United States shall be admitted subject to the other provisions in this part; all other poultry shall be refused entry. Poultry refused entry, unless exported within a time fixed in each case by the Administrator, and in accordance with other provisions he or she may require in each case for their handling shall be disposed of as the Administrator may direct in accordance with provisions of section 2 of the Act of July 2, 1962 (21 U.S.C. 134a), or the provisions of section 8 of the Act of August 30, 1890 (21 U.S.C. 103). Such portions of the transporting vessel, and of its cargo, which have been exposed to any such poultry or their emanations shall be disinfected in such manner as may be considered necessary by the inspector in charge at the port of entry, to prevent the introduction or spread of livestock or poultry disease, before the cargo is allowed to land.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 56012, 56015, Oct. 28, 1997]

§ 93.208 Articles accompanying poultry.

No litter or manure, fodder or other aliment, nor any equipment such as boxes, buckets, ropes, chains, blankets, or other things used for or about poultry governed by the regulations this part, shall be landed from any conveyance except under such restrictions as the inspector in charge at the port of entry shall direct.

§ 93.209 Quarantine requirements.

(a) Poultry, other than eggs for hatching, imported, except as provided in § 93.216 of this part, shall be quarantined for not less than 30 days, counting from the date of arrival at the port of entry. During their quarantine, such poultry shall be subject to any inspections, disinfections, and tests as may be required by the Administrator, to determine their freedom from communicable diseases of poultry, and their freedom from exposure to such diseases.

(b) Poultry eggs for hatching imported, except from regions designated in § 94.6(a)(2) of this chapter as free of exotic Newcastle disease, shall be quarantined from time of arrival at the port of entry until hatched and the poultry from such eggs shall remain quarantined for not less than 30 days following hatch. During their quarantine, such eggs for hatching and

poultry from such eggs shall be subject to any inspections, disinfections, and tests as may be required by the Administrator, to determine their freedom from communicable diseases of poultry.

[55 FR 31495, Aug. 2, 1990, as amended at 61 FR 56891, Nov. 5, 1996. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

§ 93.210 Poultry quarantine facilities.

(a) *Privately operated quarantine facilities.* The importer, or his or her agent, of poultry subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the privately operated quarantine facility and for the care, feed, and handling of the poultry from the time of unloading at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The quarantine facility must be suitable for the quarantine of such poultry and must be approved by the Administrator prior to the issuance of any import permit. The facilities occupied by poultry should be kept clean and sanitary to the satisfaction of the inspector assigned to supervise the quarantine. If for any cause the care, feed, or handling of poultry, or the sanitation of the facilities, is neglected, in the opinion of the inspector assigned to supervise the quarantine, such services may be furnished by APHIS in the same manner as though arrangements had been made for such services as provided by paragraph (b) of this section, and/or the poultry may be disposed of as the Administrator, may direct, including sale in accordance with the procedure described in paragraph (b) of this section. The importer, or his or her agent, shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS for damages which may arise from such services. The Administrator may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for all services received by the importer, or his or her agent, in connection with each separate lot of poultry shall be made by certified check or U.S. money order prior to release of the poultry. If such payment is not made, the poultry may be sold in accordance with the procedure described in paragraph (b) of this section, or otherwise disposed of as directed by the Administrator.

(b) *Quarantine facilities maintained by APHIS.* The importer, or his or her agent, of poultry subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the quarantine facility, and for the care, feed, and handling of the poultry from the time they arrive at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. The importer or his or her agent shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS, for damages which may arise from such services. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The Administrator may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for services received by the importer, or his or her agent, in connection with each separate lot of poultry shall be made by certified check or U.S. money order prior to release of the poultry. If such payment is not made, the poultry may be sold in accordance with the procedure described in this paragraph or otherwise disposed of as directed by the Administrator. When payment is not made and the poultry are to be sold to recover payment for services received, the importer, or his or her agent, will

be notified by the inspector that if said charges are not immediately paid or satisfactory arrangements made for payment, the poultry will be sold at public sale to pay the expense of care, feed, and handling during that period. The sale will be held after the expiration of the quarantine period, at such time and place as may be designated by the General Services Administration or other designated selling agent. The proceeds of the sale, after deducting the charges for care, feed, and handling of the poultry and other expenses, including the expense of the sale, shall be held in a Special Deposit Account in the United States Treasury for 6 months from the date of sale. If not claimed by the importer, or his or her agent, within 6 months from the date of sale, the amount so held shall be transferred from the Special Deposit Account to the General Fund Account in the United States Treasury.

(c) Amounts collected from the importer, or his or her agent, for service rendered shall be deposited so as to be available for defraying the expenses involved in this service.

§93.211 Quarantine stations, visiting restricted; sales prohibited.

Visitors shall not be admitted to the quarantine enclosure during any time that poultry are in quarantine except that an importer (or his or her accredited agent or veterinarian) may be admitted to the yards and buildings containing his or her quarantined poultry at such intervals as may be deemed necessary, and under such conditions and restrictions as may be imposed, by the inspector in charge of the quarantine station. On the last day of the quarantine period, owners, officers or registry societies, and others having official business or whose services may be necessary in the removal of the poultry may be admitted upon written permission from the said inspector. No exhibition or sale shall be allowed within the quarantine grounds.

§93.212 Manure from quarantined poultry.

No manure shall be removed from the quarantine premises until the release of the poultry producing same.

§93.213 Appearance of disease among poultry in quarantine.

If any contagious disease appears among poultry during the quarantine period special precautions shall be taken to prevent spread of the infection to other poultry in the quarantine station or to those outside the grounds. The affected poultry shall be disposed of as the Administrator may direct, depending upon the nature of the disease.

CANADA[6]

§93.214 Import permit and declaration for poultry.

(a) For poultry intended for importation from Canada, the importer shall first apply for and obtain from APHIS an import permit as provided in §93.204: *Provided,* That an import permit is not required for poultry if offered for entry at a land border port designated in §93.203(b).

(b) For all poultry offered for importation from Canada, the importer or his or her agent shall present two copies of a declaration as provided in §93.206.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

§93.215 Special provisions.

(a) *In-bond shipments from Canada.* (1) Poultry from Canada transported in-bond through the United States for immediate export shall be inspected at the border port of entry and, when accompanied by an import permit obtained under §93.204 of this part and all conditions therein are observed, shall be allowed entry into the United States and shall be otherwise handled as provided in paragraph (b) of §93.201. Poultry not accompanied by a permit shall meet the requirements of this part in the same manner as poultry destined for importation into the United States, except that the Administrator may permit their inspection at some other point when he or she finds that such action will not increase the risk that communicable disease of livestock and poultry will be disseminated to the

[6] Importations from Canada shall be subject to §§93.214 to 93.216, inclusive, in addition to other sections in this part which are in terms applicable to such importations.

livestock or poultry of the United States.

(2) *In-transit shipments through Canada.* Poultry originating in the United States and transported directly through Canada may re-enter the United States without Canadian health or test certificates when accompanied by copies of the United States export health certificates properly issued and endorsed in accordance with regulations in part 91 of this chapter: *Provided,* That, to qualify for entry, the date, time, port of entry, and signature of the Canadian Port Veterinarian that inspected the poultry for entry into Canada shall be recorded on the United States health certificate, or a paper containing the information shall be attached to the certificate that accompanies the poultry. In all cases it shall be determined by the veterinary inspector at the United States port of entry that the poultry are the identical poultry covered by said certificate.

(b) *Exhibition poultry.* Poultry from the United States which have been exhibited at the Royal Agricultural Winter Fair at Toronto or other publicly recognized expositions in Canada, including racing, rodeo, circus, or stage exhibitions in Canada, and have not been in that region for more than 90 days are eligible for return to the United States without Canadian health or test certificates, if they are accompanied by copies of the United States health certificate, issued and endorsed in accordance with the export regulations contained in part 91 of this chapter for entry into Canada: *Provided,* That all poultry offered for re-entry upon examination by the veterinary inspector at the U.S. port of entry, are found by the inspector to be free of communicable diseases and exposure thereto and are determined to be the identical poultry covered by said certificates or that they otherwise qualified for entry into Canada under the Canadian regulations.

(Approved by the Office of Management and Budget under control number 0579–0020)

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67133, Dec. 29, 1994. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

§ 93.216 Poultry from Canada.

Poultry imported from Canada is not required to meet the requirements of § 93.209 but shall meet all other requirements of this part applicable to poultry or to animals generally.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

CENTRAL AMERICA AND THE WEST INDIES[7]

§ 93.217 Import permit and declaration for poultry.

(a) For poultry intended for importation from regions of Central America or of the West Indies, the importer shall first apply for and obtain from APHIS an import permit as provided in § 93.204: *Provided,* That the Administrator, when he or she finds that such action may be taken without endangering the livestock or poultry industry of the United States, may, upon request by any person, authorize the importation by such person, without such application or permit, from the British Virgin Islands into the Virgin Islands of the United States, of poultry consigned for immediate slaughter, and such authorization may be limited to a particular shipment or extend to all shipments under this paragraph by such person during a specified period of time.

(b) For all poultry offered for importation from regions of Central America or of the West Indies, the importer or his or her agent shall present two copies of a declaration as provided in § 93.206.

(c) All poultry offered for importation from regions of Central America and the West Indies shall also meet the additional requirements in §§ 93.205, 93.207, 93.209, and 93.210 to qualify for entry. All poultry which fail to meet these requirements shall be rejected entry and shall be disposed of as directed by the Administrator in accordance with applicable laws.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56015, Oct. 28, 1997]

[7] Importations from regions of Central America and the West Indies shall be subject to § 93.217, in addition to other sections in this part, which are in terms applicable to such importations.

MEXICO[8]

§93.218 Import permits and applications for inspection for poultry.

(a) For poultry intended for importation from Mexico, the importer shall first apply for and obtain from APHIS an import permit as provided in §93.204.

(b) For poultry intended for importation into the United States from Mexico, the importer or his or her agent shall deliver to the veterinary inspector at the port of entry an application, in writing, for inspection, so that the veterinary inspector and customs representatives may make mutually satisfactory arrangements for the orderly inspection of the poultry.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§93.219 Declaration for poultry.

For all poultry offered for importation from Mexico, the importer or his or her agent shall present two copies of a declaration as provided in §93.206.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§93.220 Inspection at port of entry.

(a) All poultry offered for entry from Mexico, including such poultry intended for movement through the United States in bond for immediate return to Mexico, shall be inspected at the port of entry, and all such poultry found to be free from communicable disease and fever tick infestation and not to have been exposed thereto, shall be admitted into the United States subject to the other applicable provisions of this part. Poultry found to be affected with or to have been exposed to a communicable disease, or infested with fever ticks, shall be refused entry. Poultry refused entry, unless exported within a time fixed in each case by the Administrator, shall be disposed of as said Administrator may direct.

(b) Poultry covered by paragraph (a) of this section shall be imported through ports designated in §93.203.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 12190, Apr. 9, 1992. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

Subpart C—Horses

§93.300 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

APHIS representative. A veterinarian or other individual employed by the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the services required by this part.

Code of practice. A voluntary system of procedures designed to reduce disease spread, that is established by the veterinarians and horse industry in a region and that includes procedures for the following: Testing for and treatment of the diseases, quarantine of horses that are affected with or are suspected of being affected with the disease, certification of whether horses have been affected with or exposed to

[8] Importations from Mexico shall be subject to §§93.218 to 93.220 inclusive, in addition to other sections in this part which are in terms applicable for such importations.

the disease, and hygiene for personnel conducting treatments and specimen collections.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Fever tick. Boophilus annulatus, including, but not limited to, the varieties Americana and Australia.

Horses. Horses, asses, mules, and zebras.

Immediate slaughter. Consignment directly from the port of entry to a recognized slaughtering establishment[1] and slaughter thereat within two weeks from the date of entry.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Licensed Veterinarian. Any person licensed by any country or political subdivision thereof to practice veterinary medicine.

Operator. For the purposes of §93.308, any person operating an approved quarantine facility.

Persons. Any individual, corporation, company, association, firm, partnership, society or joint stock company.

Port Veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Recognized slaughtering establishment.[2] An establishment where slaughtering operations are regularly carried on under federal or state inspection and which has been approved by the Animal and Plant Health Inspection Service to receive animals for slaughter under this part.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

State animal health official. The State official responsible for livestock and poultry disease control and eradication programs.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

Veterinarian in Charge. The veterinary official of the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is assigned by the Administrator to supervise and perform the official animal health work of the Animal and Plant Health Inspection Service in the State concerned.

Veterinary Services. The Veterinary Services unit of the Department.

Weanling or yearling. Any horse, weaned from its dam, that was foaled not more than 731 days prior to its being offered for entry into the United States. A horse will not be considered to be a weanling or yearling if its first permanent incisors have erupted.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 15489, Apr. 17, 1991; 61 FR 52239, Oct. 7, 1996. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§ 93.301 General prohibitions; exceptions.

(a) No horse or product subject to the provisions of this part shall be brought into the United States except in accordance with the regulations in this part and part 94 of this subchapter;[3] nor shall any such horse or product be handled or moved after physical entry into the United States before final release from quarantine or any other form of governmental detention except in compliance with such regulations; *Provided,* That, the Administrator may upon request in specific cases permit

[1] The name of recognized slaughtering establishments approved under this part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

[2] See footnote 1 to subpart C.

[3] Importations of certain animals from various regions are absolutely prohibited under part 94 because of specific diseases.

horses to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b) The provisions in this part 93 relating to horses shall not apply to healthy horses in transit through the United States if they are not known to be infected with or exposed, within 60 days preceding the date of export from the region of origin, to communicable diseases of horses if an import permit[4] has been obtained under §93.304 of this chapter and all conditions therein are observed; and if such horses are handled as follows:

(1)(i) They are maintained under continuous confinement in transit through the United States aboard an aircraft, ocean vessel, or other means of conveyance; or

(ii) They are unloaded, in the course of such transit, into a horse holding facility which is provided by the carrier or its agent and has been approved[5] in advance by the Administrator in accordance with paragraph (b)(3) of this section as adequate to prevent the spread within the United States of any livestock or poultry disease, and they are maintained there under continuous confinement until loaded aboard a means of conveyance for transportation from the United States and are maintained under continuous confinement aboard such means of conveyance until it leaves the United States; the import permit will specify any additional conditions necessary to assure that the transit of the horses through the United States can be made without endangering the livestock or poultry of the United States, and that Department inspectors may inspect the horses on board such means of conveyance or in such holding facility as provided in section 5 of the Act of July 2, 1962 (21 U.S.C. 134d) to ascertain whether the requirements of this paragraph are met, and dispose of them in accordance with section 2 of the Act of July 2, 1962 (21 U.S.C. 134a) if such conditions are not met; and

(2) The carrier or its agent executes and furnishes to the collector of Customs at the first port of arrival a declaration stating that the horses will be retained aboard such means of conveyance or in an approved holding facility during transshipment as required by this paragraph.

(3) Provisions for the approval of facilities required in this paragraph are:

(i) They must be sufficiently isolated to prevent direct or indirect contact with all other animals and birds while in the United States.

(ii) They must be so constructed that they provide adequate protection against environmental conditions and can be adequately cleaned, washed and disinfected.

(iii) They must provide for disposal of horse carcasses, manure, bedding, waste and any related shipping materials in a manner that will prevent dissemination of disease.

(iv) They must have provisions for adequate sources of feed and water and for attendants for the care and feeding of horses in the facility.

(v) They must comply with additional requirements as may be imposed by the Administrator if deemed applicable for a particular shipment.

(vi) They must also comply with all applicable local, State and Federal requirements for environmental quality and with the provisions of the Animal Welfare Regulations in chapter I of this title, as applicable.

(c) *Specific prohibitions regarding contagious equine metritis; exceptions*—(1) *Importation prohibited.* Except as provided in paragraph (c)(2) of this section, notwithstanding the other provisions of this part concerning the importation of horses into the United States, the importation of all horses from any of the following listed regions and the importation of all horses that have been in any listed region within the 12 months immediately preceding their being offered for entry into the United States is prohibited, either because contagious equine metritis (CEM) exists in the listed region or because the listed region trades horses

[4] Such permit may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

[5] See footnote 4 to subpart C.

freely with a region in which CEM exists without testing for CEM: Austria, Belgium, Bosnia and Herzegovina, Croatia, Czech Republic, Denmark, Finland, France, Germany, Guinea-Bissau, Ireland, Italy, Japan, the Member States of the European Union, The Netherlands, Norway, Slovakia, Slovenia, Sweden, Switzerland, The Former Yugoslav Republic of Macedonia, the United Kingdom (England, Northern Ireland, Scotland, Wales, and the Isle of Man), and the nonrecognized areas of the former Yugoslavia (Montenegro and Serbia).

NOTE: Montenegro and Serbia have asserted the formation of a joint independent State entitled ''The Federal Republic of Yugoslavia,'' but this entity has not been formally recognized by the United States.

(2) *Exceptions.* The provisions of paragraph (c)(1) of this section shall not apply to the following:

(i) Wild (non-domesticated) species of equidae if captured in the wild or imported from a zoo or other facility where it would be unlikely that the animal would come in contact with domesticated horses used for breeding;

(ii) Geldings;

(iii) Weanlings or yearlings whose age is certified on the import health certificate required under § 93.314(a);

(iv) Horses imported in accordance with conditions prescribed by the Administrator as provided in § 93.301(a);

(v) Thoroughbred horses imported for permanent entry from France, Germany, Ireland, or the United Kingdom if the horses meet the requirements of paragraph (d) of this section;

(vi) Stallions or mares over 731 days of age imported for permanent entry if the horses meet the requirements of paragraph (e) of this section;

(vii) Horses over 731 days of age imported into the United States for no more than 90 days to compete in specified events if the horses meet the requirements of paragraph (f) of this section; and

(viii) Horses temporarily exported from the United States or from another region not known to be affected with CEM to a region listed in paragraph (c)(1) of this section within the 12 months immediately preceding their being offered for entry into the United States if the horses meet the requirements of paragraph (g) of this section.

(d) *Thoroughbred horses from France, Germany, Ireland, and the United Kingdom.* (1) Thoroughbred horses may be imported for permanent entry from France, Germany, Ireland, or the United Kingdom if the horses meet the following requirements:

(i) Each horse is accompanied at the time of importation by an import permit in accordance with § 93.304;

(ii) Each horse is accompanied at the time of importation by an import health certificate issued in accordance with § 93.314(a). In addition to the information required by § 93.314(a), the veterinarian signing and issuing the certificate shall certify that:

(A) He or she has examined the daily records of the horse's activities maintained by the trainer and certified to be current, true, and factual by the veterinarian in charge of the training or racing stable;

(B) He or she has examined the records of the horse's activities maintained by a breed association specifically approved by the Department[6] and certified by the breed association to be current, true, and factual for the following information: Identification of the horse by name, sex, age, breed, and all identifying marks; identification of all premises where the horse has been since reaching 731 days of age and the dates that the horse was at such premises; and that none of the premises are breeding premises;

(C) He or she has compared the records maintained by the approved breed association with the records kept by the trainer and has found the information in those two sets of records to be consistent and current;

(D) For thoroughbred horses over 731 days of age, cultures negative for CEM were obtained from sets of specimens collected on 3 separate occasions within a 7-day period from the mucosal surfaces of the clitoral fossa and the clitoral sinuses of any female horses and from the surfaces of the prepuce, the urethral sinus, and the fossa glandis, including the diverticulum of the fossa

[6] The following breed associations and their record systems have been approved by the Department: Weatherby's Ltd. for the United Kingdom and Ireland; Haras du Pain for France; and Direktorium fur Vollblutzucht und Rennen e.v. for Germany.

glandis, of any male horses. For both female and male horses, the sets of specimens must be collected on days 1, 4, and 7 of the 7-day period, and the last of these sets of specimens must be collected within 30 days of exportation. All specimens required by this paragraph must be collected by a licensed veterinarian who either is, or is acting in the presence of, the veterinarian signing the certificate; and

(E) All specimens required by paragraph (d)(1)(ii)(D) of this section were received within 48 hours of collection by a laboratory approved to culture for CEM by the national veterinary service of the region of export and were accompanied by a statement indicating the date and time of their collection.

(2) If any specimen collected in accordance with paragraph (d)(1)(ii)(D) of this section is found to be positive for CEM, the horse must be treated for CEM in a manner approved by the national veterinary service of the region of export. After the treatment is completed, at least 21 days must pass before the horse will be eligible to be tested again in accordance with paragraph (d)(1)(ii)(D) of this section. All treatments performed, and the dates of the treatments, must be recorded on the health certificate.

(3) Thoroughbred horses imported under paragraph (d)(1) of this section may be released upon completion of the Federal quarantine required under §93.308. Thoroughbred horses found positive for CEM that have been treated and retested as provided in paragraph (d)(2) of this section shall, upon completion of the Federal quarantine required under §93.308, be consigned to an approved State listed in paragraph (h)(6) or (h)(7) of this section, where they shall be quarantined under State or Federal supervision until the stallions have met the testing and treatment requirements of paragraph (e)(3) of this section and the mares have met the testing and treatment requirements of paragraph (e)(5) of this section.

(e) *Stallions and mares over 731 days of age from CEM-affected regions.* (1) Stallions or mares over 731 days of age may be imported for permanent entry from a region listed in paragraph (c)(1) of this section if the horses meet the following requirements:

(i) Each horse is accompanied at the time of importation by an import permit issued in accordance with §93.304. The import permit must indicate that, after completion of the Federal quarantine required in §93.308, the stallion or mare will be consigned to a State that the Administrator has approved to receive such horses in accordance with paragraph (h) of this section;

(ii) The horses are accompanied at the time of importation by an import health certificate issued in accordance with §93.314(a);

(iii) A set of specimens must be collected from each horse within 30 days prior to the date of export by a licensed veterinarian who either is, or is acting in the presence of, the veterinarian signing the certificate. For stallions, the specimens must be collected from the prepuce, urethral sinus, and fossa glandis, including the diverticulum of the fossa glandis; for mares, the specimens must be collected from the mucosal surfaces of the clitoral fossa and the clitoral sinuses. All of the specimens collected must be cultured for CEM with negative results in a laboratory approved to culture for CEM by the national veterinary service of the region of origin;

(iv) The horses described on the certificate must not have been used for natural breeding, for the collection of semen for artificial insemination in the case of stallions, or for artificial insemination in the case of mares, from the time the specimens were collected through the date of export;

(v) All specimens required by paragraph (e)(1)(iii) of this section must be received within 48 hours of collection by a laboratory approved to culture for CEM by the national veterinary service of the region of export and must be accompanied by a statement indicating the date and time of their collection; and

(vi) If any specimen collected in accordance with paragraph (e)(1)(iii) of this section is found to be positive for CEM, the stallion or mare must be treated for CEM in a manner approved by the national veterinary service of the region of export. After the treatment is completed, at least 21 days

must pass before the horse will be eligible to be tested again in accordance with paragraph (e)(1)(ii) of this section. All treatments performed, and the dates of the treatments, must be recorded on the health certificate.

(2) *Post-entry.* (i) Stallions and mares imported under paragraph (e)(1) of this section must complete the Federal quarantine required under §93.308. Upon completion of the Federal quarantine, stallions must be sent to an approved State listed in paragraph (h)(6) of this section, and mares must be sent to an approved State listed in paragraph (h)(7) of this section.

(ii) Once in the approved State, the stallions or mares shall be quarantined under State or Federal supervision until the stallions have met the testing and treatment requirements of paragraph (e)(3) of this section and the mares have met the testing and treatment requirements of paragraph (e)(5) of this section.

(iii) All tests and cultures required by paragraphs (e)(3) through (e)(5) of this section shall be conducted at the National Veterinary Services Laboratories, Ames, IA, or at a laboratory approved by the Administrator in accordance with paragraph (i) of this section to conduct CEM cultures and tests.

(iv) To be eligible for CEM culture or testing, all specimens collected in accordance with paragraphs (e)(3) through (e)(5) of this section must be received by the National Veterinary Services Laboratories or the approved laboratory within 48 hours of collection and must be accompanied by a statement indicating the date and time of their collection.

(3) *Testing and treatment requirements for stallions.* (i) Once the stallion is in the approved State, one specimen each shall be taken from the prepuce, the urethral sinus, and the fossa glandis, including the diverticulum of the fossa glandis, of the stallion and be cultured for CEM. After negative results have been obtained, the stallion must be test bred to two test mares that meet the requirements of paragraph (e)(4) of this section. Upon completion of the test breeding:

(A) The stallion must be treated for 5 consecutive days by thoroughly cleaning and washing (scrubbing) its prepuce, penis, including the fossa glandis, and urethral sinus while the stallion is in full erection with a solution of not less than 2 percent surgical scrub chlorhexidine and then thoroughly coating (packing) the stallion's prepuce, penis, including the fossa glandis, and urethral sinus with an ointment effective against the CEM organism.[7] The treatment shall be performed by an accredited veterinarian and monitored by a State or Federal veterinarian.

(B) Each mare to which the stallion has been test bred shall be cultured for CEM from sets of specimens that are collected from the mucosal surfaces of the clitoral fossa and clitoral sinuses on the third, sixth, and ninth days after the breeding, with negative results. A complement fixation test for CEM must be done with negative results on the fifteenth day after the breeding.

(ii) If any culture or test required by this paragraph is positive for CEM, the stallion shall be treated as described in paragraph (e)(3)(i)(A) of this section and retested by being test bred to two mares no less than 21 days after the last day of treatment.

(iii) A stallion may be released from State quarantine only if all cultures and tests of specimens from the mares used for test breeding are negative for CEM and all cultures performed on specimens taken from the stallion are negative for CEM.

(4) *Requirements for test mares.* (i) Mares to be used to test stallions for CEM shall be permanently identified before the mares are used for such testing with the letter ''T.'' The marking shall be permanently applied by an inspector, a State inspector, or an accredited veterinarian who shall use a hot iron, freezemarking, or a lip tattoo. If a hot iron or freezemarking is used, the marking shall not be less than 2 inches (5.08 cm) high and shall be applied to the left shoulder or left side of the neck of the mare. If a lip tattoo is used, the marking shall not be less than 1 inch (2.54 cm) high and

[7] A list of ointments effective against the CEM organism may be obtained from the National Center for Import and Export, Import/Export Animals, VS, APHIS, 4700 River Road Unit 39, Riverdale, MD 20737–1231.

0.75 inch (1.9 cm) wide and shall be applied to the inside surface of the upper lip of the test mare.

(ii) The test mares must be qualified prior to breeding as apparently free from CEM and may not be used for breeding from the time specimens are taken to qualify the mares as free from CEM. To qualify, each mare shall be tested with negative results by a complement fixation test for CEM, and specimens taken from each mare shall be cultured negative for CEM. For culture, sets of specimens shall be collected on the first, fourth, and seventh days of a 7-day period from the mucosal surfaces of the clitoral fossa and clitoral sinuses.

(iii) A test mare that has been used to test stallions for CEM may be released from quarantine only if:

(A) The test mare is found negative for CEM on all cultures and tests required under paragraph (e)(3)(ii) of this section; or

(B) The test mare is subjected to an ovariectomy by an accredited veterinarian under the direct supervision of a State or Federal veterinarian; or

(C) The test mare is treated and handled in accordance with paragraph (e)(5) of this section; or

(D) The test mare is moved directly to slaughter without unloading en route, is euthanized, or dies.

(5) *Testing and treatment requirements for mares.* (i) Once the mare is in the approved State, sets of specimens shall be collected from the mare on three separate occasions within a 7-day period. On days 1, 4, and 7, an accredited veterinarian shall collect specimens from the mucosal surfaces of the clitoral fossa and clitoral sinuses and shall submit each set of specimens to the National Veterinary Services Laboratories, Ames, IA, or to a laboratory approved by the Administrator in accordance with paragraph (i) of this section to conduct CEM cultures and tests.

(ii) After the three sets of specimens required by paragraph (e)(5)(i) of this section have been collected, an accredited veterinarian shall manually remove organic debris from the sinuses of each mare and then flush the sinuses with a cerumalytic agent.[8]

(iii) For 5 consecutive days after the sinuses have been cleaned, an accredited veterinarian shall aseptically clean and wash (scrub) the external genitalia and vaginal vestibule, including the clitoral fossa, with a solution of not less than 2 percent chlorhexidine in a detergent base and then fill the clitoral fossa and sinuses, and coat the external genitalia and vaginal vestibule with an antibiotic ointment effective against the CEM organism.[9]

(iv) A mare may be released from State quarantine only if all cultures performed on specimens taken from the mare are negative for CEM.

(v) If any culture required by this paragraph is positive for CEM, the mare shall be treated as described in paragraphs (e)(5)(ii) and (e)(5)(iii) of this section. No less than 21 days after the last day of treatment, the mare shall be tested again in accordance with paragraph (e)(5)(i) of this section. If all specimens are negative for CEM, the mare may be released from quarantine.

(f) *Special provisions for temporary importation.* Horses over 731 days of age may be imported into the United States for no more than 90 days to compete in specified events if the following conditions are met:

(1) The horse may remain in the United States for not more than 90 days following the horse's arrival in the United States, except as provided in paragraph (f)(6) of this section and, while in the United States, the horse must be moved according to the itinerary and methods of transport specified in the import permit provided for in §93.304 of this part;

(2) While the horse is in the United States, the following conditions must be met:

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[8] Recommended protocols for the flushing of sinuses may be obtained from the National Center for Import and Export, Import/Export Animals, VS, APHIS, 4700 River Road Unit 39, Riverdale, MD 20737–1231.

[9] A list of ointments effective against the CEM organism may be obtained from the National Center for Import and Export, Import/Export Animals, VS, APHIS, 4700 River Road Unit 39, Riverdale, MD 20737–1231.

(i) Except when in transit, the horse must be kept on a premises that has been approved, orally or in writing, by an APHIS representative. If the approval is oral, it will be confirmed in writing by the Administrator as soon as circumstances permit. To receive approval, the premises:

(A) Must not be a breeding premises; and

(B) Must be or contain a building in which the horse can be kept in a stall that is separated from other stalls containing horses, either by an empty stall, by an open area across which horses cannot touch each other, or by a solid wall that is at least 8 feet (2.4 m) high.

(ii) While at the premises at which the horse competes, the horse must be monitored by an accredited veterinarian or APHIS representative to ensure that the provisions of paragraphs (f)(2)(i), (f)(2)(iv), and (f)(2)(v) of this section are met. If the monitoring is performed by an accredited veterinarian, the Veterinarian in Charge will ensure that the accredited veterinarian is familiar with the requirements of this section and spot checks will be conducted by an APHIS representative to ensure that the requirements of this section are being met. If an APHIS representative finds that requirements are not being met, the Administrator may require that all remaining monitoring for the event be conducted by APHIS representatives to ensure compliance.

(iii) While in transit, the horse must be moved in either an aircraft or a sealed van or trailer. If the horse is moved in a sealed van or trailer, the seal may be broken only by an APHIS representative at the horse's destination, except in situations where the horse's life is in danger.

(iv) Except when actually competing or being exercised, the horse must be kept in a stall that is separated from other stalls containing horses, either by an empty stall, by an open area across which horses cannot touch each other, or by a solid wall that is at least 8 feet (2.4 m) high.

(v) The horse may not be used for breeding purposes (including artificial insemination), may not have any other sexual contact with other horses, and may not undergo any genital examinations.

(vi) After the horse is transported anywhere in the United States, any vehicle in which the horse was transported must be cleaned and disinfected in the presence of an APHIS representative, according to the procedures specified in §§ 71.7 through 71.12 of this chapter, before any other horse is transported in the vehicle.

(vii) The cleaning and disinfection specified in paragraph (f)(2)(vi) of this section must be completed before the vehicle is moved from the place where the horse is unloaded. In those cases where the facilities or equipment for cleaning and disinfection are inadequate at the place where the horse is unloaded, the Administrator may allow the vehicle to be moved to another location for cleaning and disinfection when the move will not pose a disease risk to other horses in the United States.

(viii) The owner or importer of the horse must comply with any other provisions of this part applicable to him or her.

(3) If the owner or importer wishes to change the horse's itinerary or the methods by which the horse is transported from that which he or she specified in the application for the import permit, the owner or importer must make the request for change in writing to the Administrator. Requests should be sent to the Administrator, c/o Import-Export Animals Staff, VS, APHIS, 4700 River Road Unit 39, Riverdale, MD 20737–1231. The change in itinerary or method of transport may not be made without the written approval of the Administrator, who may grant the request for change when he or she determines that granting the request will not endanger other horses in the United States and that sufficient APHIS personnel are available to provide the services required by the owner or importer. If more than one application for an import permit is received, APHIS personnel will be assigned in the order that the applications that otherwise meet the requirements of this section are received.

(4) The Administrator may cancel, orally or in writing, the import permit provided for under § 93.304 of this part

whenever the Administrator finds that the owner or importer of the horse has not complied with the provisions of paragraphs (f)(1) through (f)(3) of this section or any conditions imposed under those provisions. If the cancellation is oral, the Administrator will confirm the cancellation and the reasons for the cancellation in writing as soon as circumstances permit. Any person whose import permit is canceled may appeal the decision in writing to the Administrator within 10 days after receiving oral or written notification of the cancellation, whichever is earlier. If the appeal is sent by mail, it must be postmarked within 10 days after the owner or importer receives oral or written notification of the cancellation, whichever is earlier. The appeal must include all of the facts and reasons upon which the person relies to show that the import permit was wrongfully canceled. The Administrator will grant or deny the appeal in writing as promptly as circumstances permit, stating the reason for his or her decision. If there is a conflict as to any material fact, a hearing will be held to resolve the conflict. Rules of practice concerning the hearing will be adopted by the Administrator.

(5) Except in those cases where an appeal is in process, any person whose import permit is canceled must move the horse identified in the import permit out of the United States within 10 days after receiving oral or written notification of cancellation, whichever is earlier. The horse is not permitted to enter competition from the date the owner or importer receives the notice of cancellation until the horse is moved out of the United States or until resolution of an appeal in favor of the owner or importer. Except when being exercised, the horse must be kept, at the expense of the owner or importer, in a stall on the premises where the horse is located when the notice of cancellation is received, or, if the horse is in transit when the notice of cancellation is received, on the premises where it is next scheduled to compete according to the import permit. The stall in which the horse is kept must be separated from other stalls containing horses, either by an empty stall, by an open area across which horses cannot touch each other, or a by solid wall that is at least 8 feet (2.4 m) high. In cases where the owners of the above specified premises do not permit the horse to be kept on those premises, or when the Administrator determines that keeping the horse on the above specified premises will pose a disease risk to horses in the United States, the horse must be kept, at the expense of the owner or importer, on an alternative premises approved by the Administrator.

(6) Stallions or mares over 731 days of age that are imported for no more than 90 days in accordance with paragraphs (f)(1) through (f)(3) of this section may be eligible to remain in the United States if the following is completed:

(i) Following completion of the itinerary specified in the import permit provided for in §93.304 of this part, the horse's owner or importer applies for and receives a new import permit that specifies that the stallion or mare will be moved to an approved State listed in paragraph (h)(6) or (h)(7) of this section; and

(ii) The stallion or mare is transported in a sealed vehicle that has been cleaned and disinfected to an approved facility in an approved State where it is quarantined under State or Federal supervision until the stallion or mare has met the testing and treatment requirements of paragraph (e)(3) or (e)(5) of this section.

(7) All costs and charges associated with the supervision and maintenance of a horse imported under paragraphs (f)(1) through (f)(3) of this section will be borne by the horse's owner or importer. The costs associated with the supervision and maintenance of the horse by an APHIS representative at his or her usual places of duty will be reimbursed by the horse's owner or importer through user fees payable under part 130 of this chapter.

(8) In the event that an APHIS representative must be temporarily detailed from his or her usual place of duty in connection with the supervision and maintenance of a horse imported under paragraphs (f)(1) through (f)(3) of this section, the owner or importer of the horse must execute a trust fund agreement with APHIS to

reimburse all expenses (including travel costs, salary, per diem or subsistence, administrative expenses, and incidental expenses) incurred by the Department in connection with the temporary detail. Under the trust fund agreement, the horse's owner or importer must deposit with APHIS an amount equal to the estimated cost, as determined by APHIS, for the APHIS representative to inspect the premises at which the horse will compete, to conduct the monitoring required by paragraph (f)(2)(ii) of this section, and to supervise the cleaning and disinfection required by paragraph (f)(2)(vi) of this section. The estimated costs will be based on the following factors:

(i) Number of hours needed for an APHIS representative to conduct the required inspection and monitoring;

(ii) For services provided during regular business hours (8 a.m. to 4:30 p.m., Monday through Saturday, except holidays), the average salary, per hour, for an APHIS representative;

(iii) For services provided outside regular business hours, the applicable rate for overtime, night differential, or Sunday or holiday pay, based on the average salary, per hour, for an APHIS representative;

(iv) Number of miles from the premises at which the horse competes to the APHIS office or facility that is monitoring the activities;

(v) Government rate per mile for automobile travel or, if appropriate, cost of other means of transportation between the premises at which the horse competes and the APHIS office or facility;

(vi) Number of trips between the premises at which the horse competes and the APHIS office or facility that APHIS representatives are required to make in order to conduct the required inspection and monitoring;

(vii) Number of days the APHIS representative conducting the inspection and monitoring must be in ''travel status;''

(viii) Applicable government per diem rate; and

(ix) Cost of related administrative support services.

(9) If a trust fund agreement with APHIS has been executed by the owner or importer of a horse in accordance with paragraph (f)(8) of this section and APHIS determines, during the horse's stay in the United States, that the amount deposited will be insufficient to cover the services APHIS is scheduled to provide during the remainder of the horse's stay, APHIS will issue to the horse's owner or importer a bill to restore the deposited amount to a level sufficient to cover the estimated cost to APHIS for the remainder of the horse's stay in the United States. The horse's owner or importer must pay the amount billed within 14 days after receiving the bill. If the bill is not paid within 14 days after its receipt, APHIS will cease to perform the services provided for in paragraph (f)(2) of this section until the bill is paid. The Administrator will inform the owner or importer of the cessation of services orally or in writing. If the notice of cessation is oral, the Administrator will confirm, in writing, the notice of cessation and the reason for the cessation of services as soon as circumstances permit. In such a case, the horse must be kept, at the expense of the owner or importer and until the bill is paid, in a stall either on the premises at which the horse is located when the notice of cessation of services is received, or, if the horse is in transit when the notice of cessation of services is received, on the premises at which it is next scheduled to compete according to the import permit. The stall in which the horse is kept must be separated from other stalls containing horses either by an empty stall, an open area across which horses cannot touch each other, or a solid wall that is at least 8 feet (2.4 m) high. In cases where the owners of the above specified premises do not permit the horse to be kept on those premises, or when the Administrator determines that keeping the horse on the above specified premises will pose a disease risk to other horses in the United States, the horse must be kept, at the expense of the owner or importer, on an alternative premises approved by the Administrator. Until the bill is paid, the horse is not permitted to enter competition. Any amount deposited in excess of the costs to APHIS to provide the required services will be refunded to the horse's owner or importer.

(g) *Special provisions for the importation of horses that have been temporarily exported to a CEM-affected region.* If a horse has been temporarily exported for not more than 60 days from the United States to a CEM-affected region listed in paragraph (c)(1) of this section, or if a horse has been temporarily exported for not more than 60 days from another region not known to be affected with CEM to a CEM-affected region during the 12 months preceding its exportation to the United States, the horse may be eligible for return or importation into the United States without meeting the requirements of paragraphs (d) through (f) of this section under the following conditions:

(1) The horse must be accompanied by a certificate that meets the requirements of §93.314(a) of this part issued by each CEM-affected region that the horse has visited during the term of its temporary exportation, and each certificate must contain the following additional declarations:

(i) That the horse was held separate and apart from all other horses except for the time it was actually participating in an event or was being exercised by its trainer;

(ii) That the premises on which the horse was held were not used for any equine breeding purpose;

(iii) That the horse was not bred to or bred by any animal, nor did it have any other sexual contact or genital examination while in such region; and

(iv) That all transport while in such region was carried out in cleaned and disinfected vehicles in which no other horses were transported since such cleaning and disinfection;

(2) The horse is accompanied by an import permit issued in accordance with §93.304 of this part at the time of exportation;

(3) If the horse was temporarily exported from the United States and is being returned to the United States, the horse must be accompanied by a copy of the United States health certificate issued for its exportation from the United States and endorsed in accordance with the export regulations in part 91 of this chapter;

(4) The horse must be examined by an inspector at the U.S. port of entry and found by the inspector to be the identical horse covered by the documents required by paragraphs (a) through (c) of this section and found by the inspector to be free of communicable disease and exposure thereto; and

(5) The horse must be quarantined and tested at the U.S. port of entry as provided in §93.308 of this part prior to release.

(h) *Approval of States.* In order for a State to be approved to receive stallions or mares over 731 days of age from a CEM-affected region listed in paragraph (c)(1) of this section that are imported under paragraph (e) of this section, the State must meet the following conditions:

(1) The State must enter into a written agreement with the Administrator, whereby the State agrees to enforce its laws and regulations to control CEM and to abide by the conditions of approval established by the regulations in this part.

(2) The State must agree to quarantine all stallions and mares over 731 days of age imported under the provisions of paragraph (e) of this section until the stallions have been treated in accordance with paragraph (e)(3) of this section and the mares have been treated in accordance with paragraph (e)(5) of this section.

(3) The State must agree to quarantine all mares used to test stallions for CEM until the mares have been released from quarantine in accordance with paragraph (e)(4) of this section.

(4) The State must have laws or regulations requiring that stallions over 731 days of age imported under paragraph (e) of this section be treated in the manner specified in paragraph (e)(3) of this section, and that mares over 731 days of age imported under paragraph (e) of this section be treated in the manner specified in paragraph (e)(5) of this section.

(5) Approval of any State to receive stallions or mares imported from regions affected with CEM may be suspended by the Administrator upon his or her determination that any requirements of this section are not being met. After such action is taken, the animal health authorities of the approved State will be informed of the reasons for the action and afforded an opportunity to present their views

thereon before such suspension is finalized; however, such suspension of approval shall continue in effect unless otherwise ordered by the Administrator. In those instances where there is a conflict as to the facts, a hearing shall be held to resolve such conflict.

(6) The following States have been approved to receive stallions over 731 days of age imported under paragraph (e) of this section:

The State of Alabama
The State of California
The State of Colorado
The State of Florida
The State of Georgia
The State of Kentucky
The State of Louisiana
The State of Maryland
The State of Montana
The State of New Hampshire
The State of New Jersey
The State of New York
The State of North Carolina
The State of Ohio
The State of Oklahoma
The State of South Carolina
The State of Tennessee
The State of Texas
The State of Virginia
The State of Wisconsin

(7) The following States have been approved to receive mares over 731 days of age imported under paragraph (e) of this section:

The State of Alabama
The State of California
The State of Colorado
The State of Georgia
The State of Kentucky
The State of Louisiana
The State of Maryland
The State of Montana
The State of Hew Hampshire
The State of New Jersey
The State of New York
The State of North Carolina
The State of Ohio
The State of Oklahoma
The State of South Carolina
The State of Tennessee
The State of Texas
The State of Virginia
The State of Wisconsin

(i) *Approval of laboratories.* (1) The Administrator will approve a laboratory to conduct CEM cultures and tests only after consulting with the State animal health official in the State in which the laboratory is located and after determining that the laboratory:

(i) Has technical personnel assigned to conduct the CEM culturing and testing who possess the following minimum qualifications:

(A) A bachelor's degree in microbiology;

(B) A minimum of 2 years experience working in a bacteriology laboratory; and

(C) Experience working with the CEM organism, including knowledge of the specific media requirements, atmospheric requirements, and procedures for the isolation and identification of the CEM organism.[10]

(ii) Follows standard test protocols that will reliably and consistently provide for the isolation and identification of the CEM organism;[11] and

(iii) Reports all official test results to the State animal health official and the Veterinarian in Charge.

(2) To retain approval, the laboratory must meet the requirements prescribed in paragraph (i)(1) of this section, and shall test with the CEM organism each lot of media it prepares to ensure that the media will support growth of the laboratory's reference culture. Media that will not support growth of the reference culture must be discarded.

(3) The Administrator may deny or withdraw approval of any laboratory to conduct CEM culturing or testing upon a determination that the laboratory does not meet the criteria for approval or maintenance of approval under paragraphs (i)(1) and (i)(2) of this section.

(i) In the case of a denial of approval, the operator of the laboratory will be informed of the reasons for denial and, upon request, will be afforded an opportunity for a hearing with respect to the merits or validity of the denial in accordance with rules of practice that will be adopted for the hearing.

[10] When training regarding CEM culturing and testing is necessary, it may be obtained at the National Veterinary Services Laboratories, Ames, IA 50010.

[11] Standard test protocols recommended by the National Veterinary Services Laboratories and a list of approved laboratories can be obtained from the National Veterinary Services Laboratories, Ames, IA 50010.

(ii) In the case of a withdrawal of approval, before such action is taken, the operator of the laboratory will be informed of the reasons for the proposed withdrawal and, upon request, will be afforded an opportunity for a hearing with respect to the merits or validity of the proposed withdrawal in accordance with rules of practice that will be adopted for the hearing. However, the withdrawal will become effective pending a final determination in the hearing when the Administrator determines that such action is necessary to protect the public health, interest, or safety. The withdrawal will be effective upon oral or written notification, whichever is earlier, to the operator of the laboratory. In the event of oral notification, written confirmation will be given as promptly as circumstances allow. The withdrawal will continue in effect pending completion of the hearing and any judicial review of the hearing, unless otherwise ordered by the Administrator.

(iii) Approval for a laboratory to conduct CEM culturing or testing will be automatically withdrawn by the Administrator when the operator of the approved laboratory notifies the National Veterinary Services Laboratories, Ames, IA 50010, in writing, that the laboratory no longer conducts CEM culturing and testing.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 15849–15852, Apr. 17, 1991; 56 FR 66781, Dec. 26, 1991; 57 FR 5931, Feb. 18, 1992; 57 FR 28080, June 24, 1992; 59 FR 24888, May 13, 1994; 59 FR 67133, Dec. 29, 1994; 59 FR 67614, Dec. 30, 1994; 61 FR 52239, Oct. 7, 1996. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997; 63 FR 6064, Feb. 6, 1998; 63 FR 40008, July 27, 1998]

§ 93.302 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.

(a) *Inspection:* All aircraft and other means of conveyance (including shipping containers thereon) moving into the United States from any foreign region are subject to inspection without a warrant by properly identified and designated inspectors to determine whether they are carrying any animal, carcass, product or article regulated or subject to disposal under any law or regulation administered by the Secretary of Agriculture for prevention of the introduction or dissemination of any communicable animal disease (21 U.S.C. 134d).

(b) *Unloading requirements:* Whenever in the course of any such inspection at any port in the United States the inspector has reason to believe that the means of conveyance or container is contaminated with material of animal (including poultry) origin, such as, but not limited to, meat, organs, glands, extracts, secretions, fat, bones, blood, lymph, urine, or manure, so as to present a danger of the spread of any communicable animal disease, the inspector may require the unloading of the means of conveyance and the emptying of the container if he or she deems it necessary to enable him or her to determine whether the means of conveyance or container is in fact so contaminated. The principal operator of the means of conveyance and his or her agent in charge of the means of conveyance shall comply with any such requirement under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(c) *Cleaning and disinfection:* Whenever, upon inspection under this section, an inspector determines that a means of conveyance or shipping container is contaminated with material of animal origin so as to present a danger of the spread of any communicable animal disease, he or she shall notify the principal operator of the means of conveyance or his or her agent in charge, of such determination and the requirements under this section. The person so notified shall cause the cleaning and disinfection of such means of conveyance and container under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(d) For purposes of this section, the term ''shipping container'' means any container of a type specially adapted for use in transporting any article on the means of conveyance involved.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§ 93.303 Ports designated for the importation of horses.

(a) *Air and ocean ports.* The following ports have APHIS inspection and quarantine facilities necessary for quarantine stations and all horses shall be entered into the United States through these stations, except as provided in paragraphs (b), (c), (d), (e), and (f) of this section, §§ 93.308(a), (b) and (c) and 93.317: Los Angeles, California; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York.

(b) *Canadian border ports.* (1) The following land border ports are designated as having the necessary inspection facilities for the entry of horses from Canada: Eastport, Idaho; Houlton and Jackman, Maine; Detroit, Port Huron, and Sault Ste. Marie, Michigan; Baudette, Minnesota; Opheim, Raymond, and Sweetgrass, Montana; Alexandria Bay, Buffalo, and Champlain, New York; Dunseith, Pembina, and Portal, North Dakota; Derby Line and Highgate Springs, Vermont; Blaine, Lynden, Oroville, and Sumas, Washington.

(2) International Falls, Minnesota, is designated as a port of entry for horses from Canada.

(c) *Mexican border ports.* The following land border ports are designated for the entry of horses from Mexico: Brownsville, Hidalgo, Laredo, Eagle Pass, Del Rio, Presidio, and El Paso, Texas; Douglas, Naco, Nogales, Sasabe, and San Luis, Arizona; Calexico and San Ysidro, California; and Antelope Wells, Columbus, and Santa Teresa, New Mexico.

(d) *Limited ports.* The following ports are designated as having inspection facilities for the entry of horses and horse products such as horse test specimens which do not appear to require restraint and holding inspection facilities: Anchorage and Fairbanks, Alaska; San Diego, California; Jacksonville, St. Petersburg-Clearwater, and Tampa, Florida; Atlanta, Georgia; Chicago, Illinois; New Orleans, Louisiana; Portland, Maine; Baltimore, Maryland; Boston, Massachusetts; Minneapolis, Minnesota; Great Falls, Montana; Dayton, Ohio; Portland, Oregon; San Juan, Puerto Rico; Memphis, Tennessee (no live animals); Galveston and Houston, Texas; and Seattle, Spokane, and Tacoma, Washington.

(e) *Ports and quarantine facilities provided by the importer for horses.* Horses, except horses from or which have transited any region in which African horsesickness is declared to exist,[12] may be entered into the United States at any port specified in paragraph (a) of this section, or at any other port designated as an international port or airport by the U.S. Customs Service and quarantined at quarantine facilities provided by the importer provided that applicable provisions of §§ 93.301(c), 93.304(a), 93.306, 93.308(a), (b) and (c), and 93.314 are met.

(f) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 15489, Apr. 17, 1991; 57 FR 37690, Aug. 20, 1992; 58 FR 45237, Aug. 27, 1993; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995; 61 FR 52239, Oct. 7, 1996; 62 FR 27938, May 22, 1997. Redesignated and amended at 62 FR 56012, Oct. 28, 1997; 64 FR 23179, Apr. 30, 1999]

§ 93.304 Import permits for horses from regions affected with CEM and for horse specimens for diagnostic purposes; reservation fees for space at quarantine facilities maintained by APHIS.

(a) *Application for permit; reservation required.* (1)(i) For horses from regions listed in § 93.301(c)(1) of the regulations, horses intended for quarantine at a quarantine facility provided by the importer, and horse test specimens for diagnostic screening purposes, intended for importation from any part of the world, except as otherwise provided for in §§ 93.315, 93.319, and 93.321, the importer shall first apply for and obtain from APHIS an import permit. The application shall specify the name and address of the importer; the species, breed, number or quantity of horses or horse test specimens to be imported;

[12] Information as to the regions where African horsesickness is declared to exist may be obtained from the Administrator.

the purpose of the importation; individual horse identification which includes a description of the horse, name, age, markings, if any, registration number, if any, and tattoo or eartag; the region of origin; the name and address of the exporter; the port of embarkation in the foreign region; the mode of transportation, route of travel, and the port of entry in the United States; the proposed date of arrival of the horses or horse test specimens to be imported; and the name of the person to whom the horses or horse test specimens will be delivered and the location of the place in the United States to which delivery will be made from the port of entry. Additional information may be required in the form of certificates concerning specific diseases to which the horses are susceptible, as well as vaccinations or other precautionary treatments to which the horses or horse test specimens have been subjected. Notice of any such requirements will be given to the applicant in each case.

(ii) Horses intended for importation under §93.301(f) of this part must meet the permit requirements of paragraph (a)(1)(i) of this section. Additionally, for horses intended for importation under §93.301(f) of this part, the horse's owner or importer must include the following information with the application for permit that is required by paragraph (a)(1)(i) of this section:

(A) That the application is being made for a horse that will remain in the United States for no more than 90 days;

(B) The names, dates, and locations of the events in which the horse will compete while in the United States;

(C) The names and locations of the premises on which the horse will be kept while in the United States, and the dates the horse will be kept on each premises; and

(D) The methods and routes by which the horse will be transported while in the United States.

(iii) Approval of an application for a permit to import a horse under §93.301(f) of this part is contingent upon a determination by the Administrator that sufficient APHIS personnel are available to provide the services required. If more than one application for an import permit is received, APHIS personnel will be assigned in the order that applications that otherwise meet the requirements of this section are received.

(2) An application for permit to import horses from regions listed in §93.301(c)(1) of the regulations, horses intended for quarantine at a quarantine facility provided by the importer, may also be denied because of: Communicable disease conditions in the area or region of origin, or in a region where the shipment has been or will be held or through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned regions; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the horses; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; or any other circumstances which the Administrator believes require such denial to prevent the dissemination of any communicable disease of livestock or poultry into the United States.

(3)(i) The importer or importer's agent shall pay or ensure payment of a reservation fee for each lot of horses to be quarantined in a facility maintained by USDA. For horses, the reservation fee shall be 100 percent of the cost of providing care, feed, and handling during quarantine, as estimated by the quarantine facility's veterinarian in charge.

(ii) At the time the importer or the importer's agent requests a reservation of quarantine space, the importer or importer's agent shall pay the reservation fee by check or U.S. money order or ensure payment of the reservation fee by an irrevocable letter of credit from a commercial bank (the effective date on such letter of credit shall run to 30 days after the date the horses are scheduled to be released from quarantine); except that anyone who issues a check to the Department for a reservation fee which is returned because of insufficient funds shall be denied

any further request for reservation of a quarantine space until the outstanding amount is paid.

(iii) Any reservation fee paid by check or U.S. money order shall be applied against the expenses incurred for services received by the importer or importer's agent in connection with the quarantine for which the reservation was made. Any part of the reservation fee which remains unused after being applied against the expenses incurred for services received by the importer or the importer's agent in connection with the quarantine for which the reservation was made, shall be returned to the individual who paid the reservation fee. If the reservation fee is ensured by a letter of credit, the Department will draw against the letter of credit unless payment for services received by the importer or importer's agent in connection with the quarantine is otherwise made at least 3 days prior to the expiration date of the letter of credit.

(iv) Any reservation fee shall be forfeited if the importer or the importer's agent fails to present for entry, within 24 hours following the designated time of arrival, the horse for which the reservation was made: *Except* that a reservation fee shall not be forfeited if:

(A) Written notice of cancellation from the importer or the importer's agent is received by the office of the veterinarian in charge of the quarantine facility[13] during regular business hours (8:00 a.m. to 4:30 p.m. Monday through Friday, excluding holidays) no later than 5 days prior to the beginning of the time of importation as specified in the import permit or as arranged with the veterinarian in charge of the quarantine facility if no import permit is required (the 5 days period shall not include Saturdays, Sundays, or holidays), or

(B) The Administrator determines that services, other than provided by carriers, necessary for the importation of the horses within the required period are unavailable because of unforseen circumstances as determined by the Administrator (such as the closing of an airport due to inclement weather or the unavailability of the reserved space due to the extension of another quarantine).

(v) If the reservation fee was ensured by a letter of credit and the fee is to be forfeited under paragraph (a)(3)(iv) of this section, the Department will draw against the letter of credit unless the reservation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(vi) When a reservation is cancelled in accordance with paragraph (a)(3)(iv)(A) of this section and the provisions of paragraph (a)(3)(iv)(B) of this section do not apply, a $40.00 cancellation fee shall be charged. If a reservation fee was paid, the cancellation fee shall be deducted from any reservation fee returned to the importer or the importer's agent. If the reservation fee was ensured by a letter of credit, the Department will draw the amount of the cancellation fee against the letter of credit unless the cancellation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(b) *Permit.* (1) When a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to ensure that the shipper presents the copy of the permit to the carrier and makes the necessary arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs.

(2) Horses and horse test specimens for which a permit is required under paragraph (a) of this section will be received at the port of entry specified on the permit within the time prescribed in the permit, which shall not exceed 14 days from the first day that the permit is effective.

(3) Horses and horse test specimens for which a permit is required under paragraph (a) of this section will not be eligible for entry if:

[13] The addresses of USDA quarantine facilities may be found in telephone directories listing the facilities or by contacting Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

(i) A permit has not been issued for the importation of the horse or horse test specimen;

(ii) If the horse or horse test specimen is unaccompanied by the permit issued for its importation;

(iii) If the horse or horse test specimen is shipped from any port other than the one designated in the permit;

(iv) If the horse or horse test specimen arrives in the United States at any port other than the one designated in the permit;

(v) If the horse or horse test specimen offered for entry differs from that described in the permit; or

(vi) If the horse or horse test specimen is not handled as outlined in the application for the permit and as specified in the permit issued.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 15489, 15492, Apr. 2, 1991; 56 FR 15489, 15492, Apr. 17, 1991; 56 FR 63627, Dec. 5, 1991; 56 FR 66781, Dec. 26, 1991; 57 FR 27901, June 23, 1992; 59 FR 31924, June 21, 1994; 59 FR 52237, Oct. 17, 1994; 60 FR 49752, Sept. 27, 1995; 61 FR 1699, Jan. 23, 1996; 61 FR 52239, 52245, Oct. 7, 1996. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§ 93.305 Declaration and other documents for horses.

(a) The certificates, declarations, and affidavits required by the regulations in this part shall be presented by the importer or his or her agent to the collector of customs at the port of entry, upon arrival of horses at such port, for the use of the veterinary inspector at the port of entry.

(b) For all horses offered for importation, the importer or his or her agent shall first present two copies of a declaration which shall list the port of entry, the name and address of the importer, the name and address of the broker, the origin of the horses, the number, breed, species, and purpose of the importation, the name of the person to whom the horses will be delivered, and the location of the place to which such delivery will be made.

§ 93.306 Inspection at the port of entry.

(a) Inspection shall be made at the port of entry of all horses imported from any part of the world except as provided in §§ 93.318 and 93.323. All horses found to be free from communicable disease and not to have been exposed thereto within 60 days prior to their exportation to the United States shall be admitted subject to the other provisions in this part; all other horses shall be refused entry. Horses refused entry, unless exported within a time fixed in each case by the Administrator of Veterinary Service, and in accordance with other provisions he or she may require in each case for their handling shall be disposed of as the Administrator may direct in accordance with provisions of section 2 of the Act of July 2, 1962 (21 U.S.C. 134a), or the provisions of section 8 of the Act of August 30, 1890 (21 U.S.C. 103). Such portions of the transporting vessel, and of its cargo, which have been exposed to any such horses or their emanations shall be disinfected in such manner as may be considered necessary by the inspector in charge at the port of entry, to prevent the introduction or spread of livestock or poultry disease, before the cargo is allowed to land.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56016, Oct. 28, 1997]

§ 93.307 Articles accompanying horses.

No litter or manure, fodder or other aliment, nor any equipment such as boxes, buckets, ropes, chains, blankets, or other things used for or about horses governed by the regulations this part, shall be landed from any conveyance except under such restrictions as the inspector in charge at the port of entry shall direct.

§ 93.308 Quarantine requirements.

(a) Except as provided in this section and in § 93.324, horses intended for importation into the United States from any part of the world shall be shipped directly to a port designated in §§ 93.303 and 92.324 and be quarantined at said port until negative results to port of entry tests are obtained and the horses are certified by the port veterinarian to be free from clinical evidence of disease.

(1) Except as provided in §§ 93.317 and 93.324, and except with respect to horses from Argentina, Bermuda, and the British Virgin Islands, horses intended for importation from the Western Hemisphere shall be quarantined at a port designated in § 93.303 for not less

than 7 days to be evaluated for signs of Venezuelan equine encephalomyelitis.

(2) Horses intended for importation from regions APHIS considers to be affected with African horse sickness may enter the United States only at the port of New York, and must be quarantined at the New York Animal Import Center in Newburgh, New York, for at least 60 days. This restriction also applies to horses that have stopped in or transited a region considered affected with African horse sickness. APHIS considers the following regions to be affected with African horse sickness: All the regions on the continent of Africa, except Morocco; Oman; Qatar; Saudi Arabia; and the Yemen Arab Republic.

(3) To qualify for release from quarantine, all horses must test negative to official tests for dourine, glanders, equine piroplasmosis, and equine infectious anemia.[14] However, horses imported from Australia and New Zealand are exempt from testing for dourine and glanders. In addition, all horses must undergo any other tests, inspections, disinfections, and precautionary treatments that may be required by the Administrator to determine their freedom from communicable diseases.

(4) Any quarantine period required for a horse shall be counted using the first day after arrival of the horse at the quarantine facility as the first day of quarantine and may be extended for such additional period as the Administrator may require to determine its freedom from disease. Any horse which is positive to any of the port of entry tests named in this paragraph or any other test required by the Administrator, or which is found by the port veterinarian to exhibit evidence of communicable disease during quarantine shall be refused entry into the United States and removed by the importer to a country other than the United States within 10 days of the date that the importer is notified by APHIS that such horse has been refused entry into the United States. Upon request, the Administrator may grant additional time for the removal of a horse from the United States in any case in which he or she determines that delay is unavoidable due to unforseen circumstances and the additional time for removal of the horse will not present a threat of the spread of communicable disease to other animals in the United States. At the option of the importer, such horse may be disposed of in accordance with such conditions as the Administrator believes necessary to prevent the dissemination of communicable disease into the United States. The importer shall be responsible for all costs of such removal or disposal.

(b) *Special provisions.* Horses presented for entry into the United States as provided in §93.303(e) of this part shall be quarantined in facilities provided by the importer and approved by the Administrator. Requests for approval and plans for proposed facilities shall be submitted no less than 15 days before the proposed date of entry of horses into the quarantine facility to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road, Unit 38, Riverdale, Maryland 20737–1231. Before the facility is approved, an inspection of the facility shall be made by a Veterinary Medical Officer of APHIS, to determine whether it complies with the standards set forth in paragraph (c) of this section: *Provided, however,* That approval of any quarantine facility and use of such facility shall be contingent upon a determination made by the Administrator that adequate personnel are available to provide services required by the facility. Approval of any facility may be refused and approval of any approved quarantine facility may be withdrawn at any time by the Administrator, upon his or her determination that any requirement of this section is not being met. Before such action is taken, the

[14] Because the official tests for dourine and glanders are performed only at the National Veterinary Services Laboratories in Ames, IA, the protocols for those tests have not been published and are, therefore, not available; however, copies of ''Protocol for the Complement-Fixation Test for Equine Piroplasmosis'' and ''Protocol for the Immuno-Diffusion (Coggins) Test for Equine Infectious Anemia'' may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import and Export, 4700 River Road Unit 38, Riverdale, MD 20737–1231.

operator of the facility shall be informed of the reasons for the proposed action by the Administrator and afforded an opportunity to present his or her views thereon. If there is a conflict as to any material fact, a hearing shall be held to resolve such conflict. The cost of the facility and all maintenance and operation costs of such facility shall be borne by the importer.

(c) *Standards and handling procedures for approval of quarantine facilities provided by the importer.* To qualify for designation as an approved quarantine facility provided by the importer for horses, the facility shall be maintained and operated in accordance with the following standards:

(1) *Supervision of the facility.* The facility shall be under the general supervision of an APHIS veterinarian. Inspection and quarantine services shall be arranged by the importer of his or her agent with the Veterinarian in Charge, Veterinary Services, APHIS, USDA, for the State in which the approved facility is located,[15] no less than 7 days before the proposed date of entry of the horses into the quarantine facility.

(2) *Physical requirements for facilities.* (i) *Location.* The facility shall be located and constructed to prevent horses from having physical contact with animals outside the facility.

(ii) *Construction.* (A) The facility shall be constructed only with materials that can withstand repeated cleaning and disinfection in accordance with §§71.7 and 71.10 of subchapter C of this title. (All walls, floors and ceilings shall be constructed of solid impervious material.)

(B) Doors, windows, and other openings of the facility shall be provided with double screens which will prevent insects from entering the facility.

(3) *Sanitation and security.* (i) The importer shall arrange for a supply of water adequate to clean and disinfect the facility in accordance with §§71.7 and 71.10 of subchapter C of this title.

(ii) All feed and bedding used for horses in approved quarantine facilities shall originate from an area not under quarantine because of cattle fever ticks (see §§72.3 and 72.5 of subchapter C of this title) and shall be stored within the facility.

(iii) Upon the death or destruction of any horse, the importer shall arrange for the disposal of the horse's carcass by incineration. Disposal of all other waste removed from the facility during the time the horses are in quarantine or from horses which are refused entry into the United States shall be either by incineration or in a public sewer system which meets all applicable environmental quality control standards. Following completion of the quarantine period and the release of the horses into the United States all waste may be removed from the quarantine facility without further restriction.

(iv) The facility shall be maintained and operated in accordance with any additional requirements the Administrator deems appropriate to prevent the dissemination of any communicable disease.

(v) The facility shall comply with all applicable local, State and Federal requirements for environmental quality.

(4) *Operational procedures.*

(i) *Personnel.* (A) Access to the facility shall be granted only to persons working at the facility or to persons specifically granted such access by the supervising APHIS veterinarian.

(B) The importer shall provide attendants for the care and feeding of horses while in the quarantine facility.

(C) Persons working in the quarantine facility shall not come in contact with any horses outside the quarantine facility during the quarantine period for any horses in such quarantine facility.

(ii) *Handling of horses in quarantine.* Horses offered for importation into the United States which are quarantined in an approved quarantine facility provided by the importer shall be handled

[15] The name and address of the Veterinarian in Charge of any State are available from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

in accordance with §93.308(a) while in quarantine.

[55 FR 31495, Aug. 2, 1990, as amended at 55 FR 46040, Nov. 1, 1990; 56 FR 15489, Apr. 17, 1991; 58 FR 45238, Aug. 27, 1993; 59 FR 9073, Feb. 25, 1994; 59 FR 24888, May 13, 1994; 59 FR 67614, Dec. 30, 1994; 60 FR 5128, Jan. 26, 1995; 60 FR 9612, Feb. 21, 1995; 60 FR 17635, Apr. 7, 1995; 61 FR 14240, Apr. 1, 1996; 61 FR 36817, July 15, 1996; 61 FR 39853, July 31, 1996; 61 FR 52245, Oct. 7, 1996. Redesignated and amended at 62 FR 56012, 56016, 56017, Oct. 28, 1997; 63 FR 3640, Jan. 26, 1998; 64 FR 31967, June 15, 1999; 64 FR 48259, Sept. 3, 1999]

§93.309 Horse quarantine facilities.

(a) *Privately operated quarantine facilities.* The importer, or his or her agent, of horses subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the privately operated quarantine facility and for the care, feed, and handling of the horses from the time of unloading at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The quarantine facility must be suitable for the quarantine of such horses and must be approved by the Administrator prior to the issuance of any import permit. The facilities occupied by horses should be kept clean and sanitary to the satisfaction of the inspector assigned to supervise the quarantine. If for any cause the care, feed, or handling of horses, or the sanitation of the facilities, is neglected, in the opinion of the inspector assigned to supervise the quarantine, such services may be furnished by APHIS in the same manner as though arrangements had been made for such services as provided by paragraph (b) of this section, and/or the horses may be disposed of as the Administrator, may direct, including sale in accordance with the procedure described in paragraph (b) of this section. The importer, or his or her agent, shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS for damages which may arise from such services. The Administrator, may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for all services received by the importer, or his or her agent, in connection with each separate lot of horses shall be made by certified check or U.S. money order prior to release of the horses. If such payment is not made, the horses may be sold in accordance with the procedure described in paragraph (b) of this section, or otherwise disposed of as directed by the Administrator.

(b) *Quarantine facilities maintained by APHIS.* The importer, or his or her agent, of horses subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the quarantine facility, and for the care, feed, and handling of the horses from the time they arrive at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. The importer or his or her agent shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS, for damages which may arise from such services. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The Administrator may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for services received by the importer, or his or her agent, in connection with each separate lot of horses shall be made by certified check or U.S. money order prior to release of the horses. If such payment is not made, the horses may be sold in accordance with the procedure

described in this paragraph or otherwise disposed of as directed by the Administrator. When payment is not made and the horses are to be sold to recover payment for services received, the importer, or his or her agent, will be notified by the inspector that if said charges are not immediately paid or satisfactory arrangements made for payment, the horses will be sold at public sale to pay the expense of care, feed, and handling during that period. The sale will be held after the expiration of the quarantine period, at such time and place as may be designated by the General Services Administration or other designated selling agent. The proceeds of the sale, after deducting the charges for care, feed, and handling of the horses and other expenses, including the expense of the sale, shall be held in a Special Deposit Account in the United States Treasury for 6 months from the date of sale. If not claimed by the importer, or his or her agent, within 6 months from the date of sale, the amount so held shall be transferred from the Special Deposit Account to the General Fund Account in the United States Treasury.

(c) Amounts collected from the importer, or his or her agent, for service rendered shall be deposited so as to be available for defraying the expenses involved in this service.

§ 93.310 Quarantine stations, visiting restricted; sales prohibited.

Visitors shall not be admitted to the quarantine enclosure during any time that horses are in quarantine except that an importer (or his or her accredited agent or veterinarian) may be admitted to the yards and buildings containing his or her quarantined horses at such intervals as may be deemed necessary, and under such conditions and restrictions as may be imposed, by the inspector in charge of the quarantine station. On the last day of the quarantine period, owners, officers or registry societies, and others having official business or whose services may be necessary in the removal of the horses may be admitted upon written permission from the said inspector. No exhibition or sale shall be allowed within the quarantine grounds.

§ 93.311 Milk from quarantined horses.

Milk or cream from horses quarantined under the provisions of this part shall not be used by any person other than those in charge of such horses, nor be fed to any animals other than those within the same enclosure, without permission of the inspector in charge of the quarantine station and subject to such restrictions as he or she may consider necessary to each instance. No milk or cream shall be removed from the quarantine premises except in compliance with all State and local regulations.

§ 93.312 Manure from quarantined horses.

No manure shall be removed from the quarantine premises until the release of the horses producing same.

§ 93.313 Appearance of disease among horses in quarantine.

If any contagious disease appears among horses during the quarantine period special precautions shall be taken to prevent spread of the infection to other animals in the quarantine station or to those outside the grounds. The affected horses shall be disposed of as the Administrator may direct, depending upon the nature of the disease.

§ 93.314 Horses, certification, and accompanying equipment.

(a) Horses offered for importation from any part of the world shall be accompanied by a certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full-time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, showing that:

(1) The horses described in the certificate have been in said region during the 60 days preceding exportation;

(2) That each horse has been inspected on the premises of origin and found free of evidence of communicable

disease and, insofar as can be determined, exposure thereto during the 60 days preceding exportation;

(3) That each horse has not been vaccinated with a live or attenuated or inactivated vaccine during the 14 days preceding exportation: *Provided, however,* that in specific cases the Administrator may authorize horses that have been vaccinated with an inactivated vaccine to enter the United States when he or she determines that in such cases and under such conditions as he or she may prescribe such importation will not endanger the livestock in the United States, and such horses comply with all other applicable requirements of this part;

(4) That, insofar as can be determined, no case of African horse sickness, dourine, glanders, surra, epizootic lymphangitis, ulcerative lymphangitis, equine piroplasmosis, Venezuelan equine encephalomyelitis, vesicular stomatitis, or equine infectious anemia has occurred on the premises of origin or on adjoining premises during the 60 days preceding exportation; and

(5) That, except as provided in §93.301(g):

(i) The horses have not been in any region listed in §93.301(c)(1) as affected with CEM during the 12 months immediately prior to their importation into the United States;

(ii) The horses have not been on any premises at any time during which time such premises were found by an official of the veterinary services of the national government of the region where such premises are located, to be affected with CEM;

(iii) The horses have not been bred by or bred to any horses from an affected premises; and

(iv) The horses have had no other contact with horses that have been found to be affected with CEM or with horses that were imported from regions affected with CEM.

(b) If a horse is presented for importation from a region where it has been for less than 60 days, the horse must be accompanied by a certificate that meets the requirements of paragraph (a) of this section that has been issued by a salaried veterinary officer of the national government of each region in which the horse has been during the 60 days immediately preceding its shipment to the United States. The dates during which the horse was in each region during the 60 days immediately preceding its exportation to the United States shall be included as a part of the certification.

(c) Following the port-of-entry inspection required by §93.306 of this part, and before a horse offered for importation from any part of the world is released from the port of entry, an inspector may require the horse and its accompanying equipment to be disinfected as a precautionary measure against the introduction of foot-and-mouth disease or any other disease dangerous to the livestock of the United States.

[61 FR 52245, Oct. 7, 1996. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997; 63 FR 53783, Oct. 7, 1998]

CANADA [16]

§93.315 Import permit and declaration for horses.

For all horses offered for importation from Canada, the importer or his or her agent shall present two copies of a declaration as provided in §93.305.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§93.316 Horses from Canada for immediate slaughter.

Horses imported from Canada for immediate slaughter shall be consigned from the port of entry directly to a recognized slaughtering establishment and there be slaughtered within two weeks from the date of entry. Such horses shall be inspected at the port of entry and otherwise handled in accordance with §93.306. As used in this section, ''directly'' means without unloading en route if moved in a means of conveyance, or without stopping if moved in any other manner.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 28216, June 1, 1994. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

[16] Importations from Canada shall be subject to §§93.315, 93.316, 93.317 and 93.318, in addition to other sections in this part which are in terms applicable to such importations.

§93.317 Horses from Canada.

(a) Except as provided in paragraph (c) of this section, horses from Canada shall be inspected as provided in §93.306; shall be accompanied by a certificate as required by §93.314 which shall include evidence of a negative test for equine infectious anemia for which blood samples were drawn during the 180 days preceding exportation to the United States and which test was conducted in a laboratory approved by the Canada Department of Agriculture or the United States Department of Agriculture; *Except*, that horses accompanying their dams which were foaled after their dam was so tested negative need not be so tested; and shall otherwise be handled as provided in §93.314: *Provided, however,* That certificates required for horses from Canada may be either issued or endorsed by a salaried veterinarian of the Canadian Government: *And provided, further,* That USDA veterinary port inspection is not required for horses imported from Canada under temporary Customs authorization for a period of 30 days from the date of issue of the certificate and the certificate issued is valid for an unlimited number of importations into the United States during the 30-day period.

(b) Horses of United States origin that are imported into Canada under an export health certificate valid for a period of 30 days from the date of issue may re-enter the United States an unlimited number of times during the 30-day period, without USDA veterinary port inspection, at any Custom land border port of entry designated for animals from Canada, if accompanied by the original export health certificate under which they were permitted entry into Canada.

(c) Horses for immediate slaughter may be imported from Canada without the certification prescribed in paragraph (a) of this section, but shall be subject to the other applicable provisions of this part, and shall be accompanied by a certificate issued or endorsed by a salaried veterinarian of the Canadian Government stating that:

(1) The horses were inspected on the premises where assembled for shipment to the United States within the 30 days immediately prior to the date of export and were found free of evidence of communicable disease, and

(2) As far as can be determined, they have not been exposed to any such disease during the 60 days immediately preceding their exportation.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 33863, July 24, 1991. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§93.318 Special provisions.

(a) *In-bond shipments from Canada.* (1) Horses from Canada transported in-bond through the United States for immediate export shall be inspected at the border port of entry and, when accompanied by an import permit obtained under §93.304 of this part and all conditions therein are observed, shall be allowed entry into the United States and shall be otherwise handled as provided in paragraph (b) of §93.301. Horses not accompanied by a permit shall meet the requirements of this part in the same manner as horses destined for importation into the United States, except that the Administrator may permit their inspection at some other point when he or she finds that such action will not increase the risk that communicable diseases of livestock and poultry will be disseminated to the livestock or poultry of the United States.

(2) *In-transit shipments through Canada.* Horses originating in the United States and transported directly through Canada may re-enter the United States without Canadian health or test certificates when accompanied by copies of the United States export health certificates properly issued and endorsed in accordance with regulations in part 91 of this chapter: *Provided,* That, to qualify for entry, the date, time, port of entry, and signature of the Canadian Port Veterinarian that inspected the horses for entry into Canada shall be recorded on the United States health certificate, or a paper containing the information shall be attached to the certificate that accompanies the horses. In all cases it shall be determined by the veterinary inspector at the United States port of entry that the horses are the identical horses covered by said certificate.

(b) *Exhibition horses.* Except as provided in §93.317(b), horses from the

United States which have been exhibited at the Royal Agricultural Winter Fair at Toronto or other publicly recognized expositions in Canada, including racing, horse shows, rodeo, circus, or stage exhibitions in Canada, and have not been in that region for more than 90 days are eligible for return to the United States without Canadian health or test certificates, if they are accompanied by copies of the United States health certificate, issued and endorsed in accordance with the export regulations contained in part 91 of this chapter for entry into Canada: *Provided,* That in the case of horses for exhibition, including race horses, the certificates shall certify that negative results were obtained from official tests for equine infectious anemia for which blood samples were drawn within 180 days of the date that the horses are offered for return to the United States: *And, provided further,* That all horses offered for re-entry upon examination by the veterinary inspector at the U.S. port of entry, are found by the inspector to be free of communicable diseases and exposure thereto and are determined to be the identical horses covered by said certificates or are the natural increase of such horses born after official test dates certified on the dam's health certificate.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

CENTRAL AMERICA AND THE WEST INDIES [17]

§ 93.319 Import permit and declaration for horses.

For all horses offered for importation from regions of Central America or of the West Indies, the importer or his or her agent shall present two copies of a declaration as provided in § 93.305.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§ 93.320 Horses from Central America and the West Indies.

Horses from Central America and the West Indies shall be inspected as provided in § 93.306; shall be accompanied by a certificate and otherwise handled as provided in § 93.314; and shall be quarantined and tested as provided in § 93.308(a), (b) and (c): *Provided,* That any such horses that are found to be infested with fever ticks, Boophilus annulatus, shall not be permitted entry until they have been freed therefrom by dipping in a permitted arsenical solution or by other treatment approved by the Administrator.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

MEXICO [18]

§ 93.321 Import permits and applications for inspection for horses.

For horses intended for importation into the United States from Mexico, the importer or his or her agent shall deliver to the veterinary inspector at the port of entry an application, in writing, for inspection, so that the veterinary inspector and customs representatives may make mutually satisfactory arrangements for the orderly inspection of the horses. The veterinary inspector at the port of entry will provide the importer or his or her agent with a written statement assigning a date when the horses may be presented for import inspection.

§ 93.322 Declaration for horses.

For all horses offered for importation from Mexico, the importer or his or her agent shall present two copies of a declaration as provided in § 93.305.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§ 93.323 Inspection.

(a) All horses offered for entry from Mexico, including such horses intended for movement through the United States in bond for immediate return to Mexico, shall be inspected at a facility

[17] Importations from regions of Central America and the West Indies shall be subject to §§ 93.319 and 93.320, in addition to other sections in this subpart, which are in terms applicable to such importations.

[18] Importations from Mexico shall be subject to §§ 93.321 to 93.326 inclusive, in addition to other sections in this subpart which are in terms applicable for such importations.

described in §93.324, and all such horses found to be free from communicable disease and fever tick infestation, and not to have been exposed thereto, shall be admitted into the United States subject to the other applicable provisions of this part. Horses found to be affected with or to have been exposed to a communicable disease, or infested with fever ticks, shall be refused entry. Horses refused entry, unless exported within a time fixed in each case by the Administrator, shall be disposed of as said Administrator may direct.

(b) Horses covered by paragraph (a) of this section shall be imported through facilities described in §93.324, which are equipped with facilities necessary for proper chute inspection, dipping, and testing, as provided in this part.

[55 FR 31495, Aug. 2, 1990, as amended at 58 FR 45238, Aug. 27, 1993. Redesignated at 62 FR 56012, 56017, Oct. 28, 1997]

§93.324 Detention for quarantine.

Horses intended for importation from Mexico shall be quarantined until they qualify for release from such quarantine, either at an APHIS facility designated in §93.303 (a) or at a facility in Mexico. In order to qualify for such release, all horses while so detained shall test negative to an official test for dourine, glanders, equine piroplasmosis, equine infectious anemia,[19] and such other tests that may be required by the Administrator to determine their freedom from other communicable diseases. Such horses shall also be subjected to such other inspections and disinfections deemed necessary by the Administrator, and they shall be released from quarantine only if found to be free from any communicable disease upon inspection.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 15489, Apr. 17, 1991; 58 FR 45238, Aug. 27, 1993; 59 FR 67614, Dec. 30, 1994; 60 FR 5128, Jan. 26, 1995; 61 FR 39853, July 31, 1996; 61 FR 52246, Oct. 7, 1996. Redesignated at 62 FR 56012, 56017, Oct. 28, 1997, as amended at 63 FR 3640, Jan. 26, 1998]

§93.325 Horses from Mexico.

Horses offered for entry from Mexico shall be inspected as provided in §§93.306 and 93.323; shall be accompanied by a certificate and otherwise handled as provided in §93.314; and shall be quarantined and tested as provided in §93.324: *Provided,* That horses offered for importation from tick-infected areas of Mexico shall be chute inspected, unless in the judgment of the inspector a satisfactory inspection can be made otherwise. If upon inspection they are found to be apparently free from fever ticks, before entering the United States they shall be dipped once in a permitted arsenical solution or be otherwise treated in a manner approved by the Administrator.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§93.326 Horses for immediate slaughter.

Horses may be imported from Mexico, subject to the applicable provisions of §§93.321, 93.322, and 93.323 for immediate slaughter if accompanied by a certificate of a salaried veterinarian of the Mexican Government, or by a certificate issued by a veterinarian accredited by the Mexican Goverment and endorsed by a salaried veterinarian of the Mexican Government, thereby representing that the veterinarian issuing the certificate was authorized to do so, stating that he or she has inspected such horses on the premises of origin and found them free of evidence of communicable disease, and that, so far as it has been possible to determine, they have not been exposed to any such disease common to animals of their kind during the preceding 60 days, and if the horses are shipped by rail or truck, the certificate shall further specify that the horses were loaded into cleaned and disinfected cars or trucks for transportation directly to

[19] In view of the fact that official test for dourine and glanders are run exclusively at the National Veterinary Services Laboratory, Ames, Iowa, protocols for these tests have not been published and are therefore not available; copies of ''Protocol for the Complement-Fixation Test for Equine Piroplasmosis'' and ''Protocol for the Immuno-Diffusion (Coggins) Test for Equine Infectious Anemia'' may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

the port of entry. Such horses shall be consigned from a facility described in § 93.324 to a recognized slaughtering establishment and there slaughtered within 2 weeks from the date of entry. Such horses shall be moved from the port of entry in conveyances sealed with seals of the United States Government.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 28080, June 24, 1992; 58 FR 45238, Aug. 27, 1993; 60 FR 5128, Jan. 26, 1995; 61 FR 39853, July 31, 1996. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997; 63 FR 3640, Jan. 26, 1998]

Subpart D—Ruminants

SOURCE: 55 FR 31495, Aug. 2, 1990, unless otherwise noted. Redesignated at 62 FR 56012, Oct. 28, 1997.

§ 93.400 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

APHIS representative. A veterinarian or other individual employed by the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the services required by this part.

Brucellosis certified free herd. A herd in which all eligible cattle in the herd were negative to brucellosis tests under the Canadian requirements and which is officially certified by the Canadian Government as a brucellosis free listed herd.

Brucellosis certified-free province or territory of Canada. A province or territory of Canada in which all herds of cattle are brucellosis certified free. The brucellosis certified free provinces and territories of Canada are Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland (including Labrador), Northwest Territories, Nova Scotia, Ontario, Quebec, Prince Edward Island, Saskatchewan, and Yukon Territory.

Cattle. Animals of the bovine species.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Fever tick. Boophilus annulatus, including, but not limited to, the varieties Americana and Australia.

Flock. A herd.

Herd. All animals maintained on any single premises; and all animals under common ownership or supervision on two or more premises which are geographically separated, but among which there is an interchange or movement of animals.

Immediate slaughter. Consignment directly from the port of entry to a recognized slaughtering establishment[1] and slaughter thereat within two weeks from the date of entry.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Moved directly. Moved without unloading and without stopping except for refueling, or for traffic conditions such as traffic lights or stop signs.

Moved directly by land. Moved by rail, truck, or other land vehicle without unloading and without stopping except

[1] The name of recognized slaughtering establishments approved under this part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

for refueling, or for traffic conditions such as traffic lights or stop signs.

Permitted dip. A dip permitted by the Administrator to be used in the official dipping of cattle for fever ticks and for dipping cattle and sheep for scabies.

Persons. Any individual, corporation, company, association, firm, partnership, society or joint stock company.

Port Veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Recognized slaughtering establishment.[2] An establishment where slaughtering operations are regularly carried on under federal or state inspection and which has been approved by the Animal and Plant Health Inspection Service to receive animals for slaughter under this part.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.);

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Ruminants. All animals which chew the cud, such as cattle, buffaloes, sheep, goats, deer, antelopes, camels, llamas and giraffes.

Swine. The domestic hog and all varieties of wild hogs.

Tuberculosis-free herd. A herd which is not known to be infected with bovine tuberculosis (*M. bovis*) and which is certified by the Canadian Government as a tuberculosis-free herd.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

Veterinary Services. The Veterinary Services unit of the Department.

Wether. A castrated male sheep or goat.

Zoological park. A professionally operated zoo, park, garden or other place, maintained under the constant surveillance of a Doctor of Veterinary Medicine, for the exhibition of live animals, pigeons or birds, for the purpose of public recreation or education.

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 366, Jan. 4, 1991; 58 FR 68509, Dec. 28, 1993; 60 FR 13900, Mar. 15, 1995; 61 FR 17237, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§93.401 General prohibitions; exceptions.

(a) No ruminant or product subject to the provisions of this part shall be brought into the United States except in accordance with the regulations in this part and part 94 of this subchapter;[3] nor shall any such ruminant or product be handled or moved after physical entry into the United States before final release from quarantine or any other form of governmental detention except in compliance with such regulations; *Provided*, That, except as prohibited by section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), the Administrator may upon request in specific cases permit ruminants or products to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b) Except for ruminants prohibited entry by section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), the provisions in this part 92 relating to ruminants shall not apply to healthy ruminants in transit through the United States if they are not known to be infected with or exposed, within 60 days preceding the date of export from the region of origin, to communicable diseases of such ruminants, if an import permit[4] has been obtained under

[2] The names of recognized slaughtering establishments approved under this Part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

[3] Importations of certain animals from various regions are absolutely prohibited under part 94 because of specified diseases.

[4] Such permit may be obtained from the Animal and Plant Health Inspection Service,

Continued

§ 93.404 of this chapter and all conditions therein are observed; and if such ruminants are handled as follows:

(1)(i) They are maintained under continuous confinement in transit through the United States aboard an aircraft, ocean vessel, or other means of conveyance; or

(ii) They are unloaded, in the course of such transit, into a ruminant holding facility which is provided by the carrier or its agent and has been approved[5] in advance by the Administrator in accordance with paragraph (b)(3) of this section as adequate to prevent the spread within the United States of any livestock disease, and they are maintained there under continuous confinement until loaded aboard a means of conveyance for transportation from the United States and are maintained under continuous confinement aboard such means of conveyance until it leaves the United States; the import permit will specify any additional conditions necessary to assure that the transit of the ruminants through the United States can be made without endangering the livestock or poultry of the United States, and that Department inspectors may inspect the ruminants on board such means of conveyance or in such holding facility as provided in section 5 of the Act of July 2, 1962 (21 U.S.C. 134d) to ascertain whether the requirements of this paragraph are met, and dispose of them in accordance with section 2 of the Act of July 2, 1962 (21 U.S.C. 134a) if such conditions are not met; and

(2) The carrier or its agent executes and furnishes to the collector of Customs at the first port of arrival a declaration stating that the ruminants will be retained aboard such means of conveyance or in an approved holding facility during transshipment as required by this paragraph.

(3) Provisions for the approval of facilities required in this paragraph are:

(i) They must be sufficiently isolated to prevent direct or indirect contact with all other animals and birds while in the United States.

(ii) They must be so constructed that they provide adequate protection against environmental conditions and can be adequately cleaned, washed and disinfected.

(iii) They must provide for disposal of ruminant carcasses, manure, bedding, waste and any related shipping materials in a manner that will prevent dissemination of disease.

(iv) They must have provisions for adequate sources of feed and water and for attendants for the care and feeding of ruminants in the facility.

(v) They must comply with additional requirements as may be imposed by the Administrator if deemed applicable for a particular shipment.

(vi) They must also comply with all applicable local, State and Federal requirements for environmental quality and with the provisions of the Animal Welfare Regulations in chapter I of this title, as applicable.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67614, Dec. 30, 1994. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§ 93.402 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.

(a) *Inspection:* All aircraft and other means of conveyance (including shipping containers thereon) moving into the United States from any foreign region are subject to inspection without a warrant by properly identified and designated inspectors to determine whether they are carrying any animal, carcass, product or article regulated or subject to disposal under any law or regulation administered by the Secretary of Agriculture for prevention of the introduction or dissemination of any communicable animal disease (21 U.S.C. 134d).

(b) *Unloading requirements:* Whenever in the course of any such inspection at any port in the United States the inspector has reason to believe that the means of conveyance or container is contaminated with material of animal (including poultry) origin, such as, but not limited to, meat, organs, glands, extracts, secretions, fat, bones, blood,

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Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Requests for approval of such facilities should also be made to the Administrator.

[5] See footnote 4 to subpart D.

lymph, urine, or manure, so as to present a danger of the spread of any communicable animal disease, the inspector may require the unloading of the means of conveyance and the emptying of the container if he or she deems it necessary to enable him or her to determine whether the means of conveyance or container is in fact so contaminated. The principal operator of the means of conveyance and his or her agent in charge of the means of conveyance shall comply with any such requirement under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(c) *Cleaning and disinfection:* Whenever, upon inspection under this section, an inspector determines that a means of conveyance or shipping container is contaminated with material of animal origin so as to present a danger of the spread of any communicable animal disease, he or she shall notify the principal operator of the means of conveyance or his or her agent in charge, of such determination and the requirements under this section. The person so notified shall cause the cleaning and disinfection of such means of conveyance and container under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(d) For purposes of this section, the term ''shipping container'' means any container of a type specially adapted for use in transporting any article on the means of conveyance involved.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997]

§93.403 Ports designated for the importation of ruminants.

(a) *Air and ocean ports.* The following ports have APHIS inspection and quarantine facilities necessary for quarantine stations and all ruminants shall be entered into the United States through these stations, except as provided in paragraphs (b), (c), (d), (e), and (f) of this section; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York.

(b) *Canadian border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of ruminants from Canada: Eastport, Idaho; Houlton and Jackman, Maine; Detroit, Port Huron, and Sault Ste. Marie, Michigan; Baudette, Minnesota; Opheim, Raymond, and Sweetgrass, Montana; Alexandria Bay, Buffalo, and Champlain, New York; Dunseith, Pembina, and Portal, North Dakota; Derby Line and Highgate Springs, Vermont; Blaine, Lynden, Oroville, and Sumas, Washington.

(c) *Mexican border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of ruminants from Mexico: Brownsville, Hidalgo, Laredo, Eagle Pass, Del Rio, and Presidio, Texas: Douglas, Naco, Nogales, Sasabe, and San Luis, Arizona; Calexico and San Ysidro, California; and Antelope Wells, Columbus, and Santa Teresa, New Mexico.

(d) *Special ports.* Charlotte Amalie, St. Thomas, and Christiansted, St. Croix, in the United States Virgin Islands, are hereby designated as quarantine stations for the entry of ruminants from the British Virgin Islands into the United States Virgin Islands for immediate slaughter.

(e) *Limited ports.* The following ports are designated as having inspection facilities for the entry of ruminants and ruminant products such as ruminant test specimens which do not appear to require restraint and holding inspection facilities: Anchorage and Fairbanks, Alaska; San Diego, California; Jacksonville, St. Petersburg-Clearwater, and Tampa, Florida; Atlanta, Georgia; Chicago, Illinois; New Orleans, Louisiana; Portland, Maine; Baltimore, Maryland; Boston, Massachusetts; Minneapolis, Minnesota; Great Falls, Montana; Portland, Oregon; San Juan, Puerto Rico; Memphis, Tennessee (no live animals); El Paso, Galveston, and Houston, Texas; and Seattle, Spokane, and Tacoma, Washington.

(f) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

(g) *Ports and privately operated quarantine facilities for sheep.* Sheep may be entered into the United States at any port specified in paragraph (a) of this section, or at any other port designated as an international port or airport by the U.S. Customs Service and quarantined at privately operated quarantine facilities provided the applicable provisions of §§ 93.401, 93.404(a), 93.407, 93.408, 93.433, and 93.434 are met.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 2010, Jan. 17, 1992; 58 FR 38283, July 16, 1993; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995. Redesignated and amended at 62 FR 56012, 56017, Oct. 28, 1997; 64 FR 23179, Apr. 30, 1999]

§ 93.404 Import permits for ruminants and for ruminant test specimens for diagnostic purposes; and reservation fees for space at quarantine facilities maintained by APHIS.

(a) *Application for permit; reservation required.* (1) For ruminants and ruminant test specimens for diagnostic screening purposes intended for importation from any part of the world, except as otherwise provided for in §§ 93.417, 93.422, and 93.424, the importer shall first apply for and obtain from APHIS an import permit. The application shall specify the name and address of the importer; the species, breed, number or quantity of ruminants or ruminant test specimens to be imported; the purpose of the importation; individual ruminant identification, which includes a description of the ruminant, name, age, markings, if any, registration number, if any, and tattoo or eartag; the region of origin; the name and address of the exporter; the port of embarkation in the foreign region; the mode of transportation, route of travel, and the port of entry in the United States; the proposed date of arrival of the ruminants or ruminant test specimens to be imported; and the name of the person to whom the ruminants or ruminant test specimens will be delivered and the location of the place in the United States to which delivery will be made from the port of entry. Additional information may be required in the form of certificates concerning specific diseases to which the ruminants are susceptible, as well as vaccinations or other precautionary treatments to which the ruminants or ruminant test specimens have been subjected. Notice of any such requirement will be given to the applicant in each case.

(2) An application for permit to import will be denied for domestic ruminants from any region where it has been declared, under section 306 of the Act of June 17, 1930, that foot-and-mouth disease or rinderpest has been determined to exist, except as provided in § 93.430.

(3) An application for permit to import ruminants may also be denied because of: Communicable disease conditions in the area or region of origin, or in a region where the shipment has been or will be held or through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned regions; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the ruminants; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; or any other circumstances which the Administrator believes require such denial to prevent the dissemination of any communicable disease of livestock or poultry into the United States.

(4)(i) The importer or importer's agent shall pay or ensure payment of a reservation fee for each lot of ruminants to be quarantined in a facility maintained by USDA. For ruminants, the reservation fee shall be 100 percent of the cost of providing care, feed, and handling during quarantine, as estimated by the quarantine facility's veterinarian in charge.

(ii) At the time the importer or the importer's agent requests a reservation of quarantine space, the importer or importer's agent shall pay the reservation fee by check or U.S. money order or ensure payment of the reservation fee by an irrevocable letter of credit from a commercial bank (the effective date on such letter of credit shall run to 30 days after the date the ruminants are scheduled to be released from quarantine); except that anyone who issues

a check to the Department for a reservation fee which is returned because of insufficient funds shall be denied any further request for reservation of a quarantine space until the outstanding amount is paid.

(iii) Any reservation fee paid by check or U.S. money order shall be applied against the expenses incurred for services received by the importer or importer's agent in connection with the quarantine for which the reservation was made. Any part of the reservation fee which remains unused after being applied against the expenses incurred for services received by the importer or the importer's agent in connection with the quarantine for which the reservation was made, shall be returned to the individual who paid the reservation fee. If the reservation fee is ensured by a letter of credit, the Department will draw against the letter of credit unless payment for services received by the importer or importer's agent in connection with the quarantine is otherwise made at least 3 days prior to the expiration date of the letter of credit.

(iv) Any reservation fee shall be forfeited if the importer or the importer's agent fails to present for entry, within 24 hours following the designated time of arrival, the lot of ruminants for which the reservation was made: *Except* that a reservation fee shall not be forfeited if:

(A) Written notice of cancellation from the importer or the importer's agent is received by the office of the veterinarian in charge of the quarantine facility[6] during regular business hours (8:00 a.m. to 4:30 p.m. Monday through Friday, excluding holidays) no later than 15 days for ruminants prior to the beginning of the time of importation as specified in the import permit or as arranged with the veterinarian in charge of the quarantine facility if no import permit is required (the 15 days period shall not include Saturdays, Sundays, or holidays), or

(B) The Administrator determines that services, other than provided by carriers, necessary for the importation of the ruminants within the requested period are unavailable because of unforeseen circumstances as determined by the Administrator, (such as the closing of an airport due to inclement weather or the unavailability of the reserved space due to the extension of another quarantine).

(v) If the reservation fee was ensured by a letter of credit and the fee is to be forfeited under paragraph (a)(4)(iv) of this section, the Department will draw against the letter of credit unless the reservation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(vi) When a reservation is cancelled in accordance with paragraph (a)(4)(iv)(A) of this section and the provisions of paragraph (a)(4)(iv)(B) of this section do not apply, a $40.00 cancellation fee shall be charged. If a reservation fee was paid, the cancellation fee shall be deducted from any reservation fee returned to the importer or the importer's agent. If the reservation fee was ensured by a letter of credit, the Department will draw the amount of the cancellation fee against the letter of credit unless the cancellation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(b) *Permit.* When a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to insure that the shipper presents the copy of the permit to the carrier and makes proper arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs. Ruminants and ruminant test specimens for diagnostic screening purposes for ruminants intended for importation into the United States for which a permit has been issued, will be received at the specified port of entry within the time prescribed in the permit which shall not

[6] The addresses of USDA quarantine facilities may be found in telephone directories listing the facilities or by contacting the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

exceed 14 days from the first day that the permit is effective for all permits. Ruminants and ruminant test specimens for which a permit is required by these regulations will not be eligible for entry if a permit has not been issued; if unaccompanied by such a permit; if shipment is from any port other than the one designated in the permit; if arrival in the United States is at any port other than the one designated in the permit; if the ruminants or ruminant test specimens offered for entry differ from those described in the permit; if the ruminants or ruminant test specimens are not handled as outlined in the application for the permit and as specified in the permit issued; or if ruminants or swine other than those covered by import permits are aboard the transporting carrier.

(c) *Wild ruminants from regions where foot-and-mouth disease or rinderpest exists.* This paragraph (c) applies to the importation of wild ruminants, such as, but not limited to, giraffes, deer and antelopes, from regions designated in part 94 of this subchapter as countries in which foot-and-mouth disease or rinderpest exist.

(1) Permits for the importation of wild ruminants will be issued only for importations through the Port of New York, and only if the animals are imported for exhibition in a PEQ Zoo. A PEQ Zoo is a zoological park or other place maintained for the exhibition of live animals for recreational or educational purposes that:

(i) Has been approved by the Administrator in accordance with paragraph (c)(2) of this section to receive and maintain imported wild ruminants; and

(ii) Has entered into the agreement with APHIS set forth in paragraph (c)(4) of this section for the maintenance and handling of imported wild ruminants.

(2) Approval of a PEQ Zoo shall be on the basis of an inspection, by an authorized representative of the Department, of the physical facilities of the establishment and its methods of operation. Standards for acceptable physical facilities shall include satisfactory pens, cages, or enclosures in which the imported ruminants can be maintained so as not to be in contact with the general public and free from contact with domestic livestock; natural or established drainage from the PEQ Zoo which will avoid contamination of land areas where domestic livestock are kept or with which domestic livestock may otherwise come in contact; provision for the disposition of manure, other wastes, and dead ruminants within the PEQ Zoo; and other reasonable facilities considered necessary to prevent the dissemination of diseases from the PEQ Zoo. The operator of the PEQ Zoo shall have available the services of a full-time or part-time veterinarian, or a veterinarian on a retainer basis, who shall make periodic examinations of all animals maintained at the PEQ Zoo for evidence of disease; who shall make a post-mortem examination of each animal that dies; and who shall make a prompt report of suspected cases of contagious or communicable diseases to an APHIS representative or the State agency responsible for livestock disease control programs.

(3) Manure and other animal wastes must be disposed of within the PEQ Zoo park for a minimum of one year following the date an imported wild ruminant enters the zoo. If an APHIS veterinarian determines that an imported ruminant shows no signs of any communicable disease or exposure to any such disease during this 1-year period, its manure and other wastes need not be disposed of within the zoo after the 1-year period. If, however, an APHIS veterinarian determines that an imported ruminant does show signs of any communicable disease during this 1-year period, an APHIS veterinarian will investigate the disease and determine whether the ruminant's manure and other wastes may safely be disposed of outside the zoo after the 1-year period has ended.

(4) Prior to the issuance of an import permit under this section, the operator of the approved PEQ Zoo to which the imported ruminants are to be consigned, and the importer of the ruminants, if such operator and importer are different parties, shall execute an agreement covering each ruminant or group of ruminants for which the import permit is requested. The agreement shall be in the following form:

AGREEMENT FOR THE IMPORTATION, QUARANTINE AND EXHIBITION OF CERTAIN WILD RUMINANTS AND WILD SWINE

_____, operator(s) of the zoological park known as _____ (Name) located at _____ (City and state), and _____ (Importer) hereby request a permit for the importation of _____ (Number and kinds of animals) for exhibition purposes at the said zoological park, said animals originating in a region where foot-and-mouth disease or rinderpest exists and being subject to restrictions under regulations contained in part 93, title 9, Code of Federal Regulations.

In making this request, it is understood and agreed that:

1. The animals for which an import permit is requested will be held in isolation at a port of embarkation in the region of origin, approved by the Administrator as a port having facilities which are adequate for maintaining wild animals in isolation from all other animals and having veterinary supervision by officials of the region of origin of the animals. Such animals will be held in such isolation for not less than 60 days under the supervision of the veterinary service of that region to determine whether the animals show any clinical evidence of foot-and-mouth disease, rinderpest, or other communicable disease that is exotic to the United States or for which APHIS has an eradication or control program in 9 CFR chapter I, and to assure that the animals will not have been exposed to such a disease within the 60 days next before their exportation from that region.

2. Shipment will be made direct from such port of embarkation to the port of New York as the sole port of entry in the United States. If shipment is made by ocean vessel the animals will not be unloaded in any foreign port en route. If shipment is made by air, the animals will not be unloaded at any port or other place of landing, except at a port approved by the Administrator as a port not located in a region where rinderpest or foot-and-mouth disease exists or as a port in such a region having facilities and inspection adequate for maintaining wild animals in isolation from all other animals.

3. No ruminants or swine will be aboard the transporting vehicle, vessel or aircraft, except those for which an import permit has been issued.

4. The animals will be quarantined for not less than 30 days in the Department's Animal Import Center in Newburgh, New York.

5. Upon release from quarantine the animals will be delivered to the zoological park named in this agreement to become the property of the park and they will not be sold, exchanged or removed from the premises without the prior consent of APHIS. If moved to another zoological park in the United States, the receiving zoological park must be approved by the Administrator in accordance with paragraph 6 of this agreement.

6. The Administrator will approve the movement of an imported animal subject to this agreement if the Administrator determines that the animal has spent at least one year in quarantine in a PEQ Zoo following importation without showing clinical evidence of foot-and-foot mouth disease, rinderpest, or other communicable disease that is exotic to the United States or for which APHIS has an eradication or control program in 9 CFR chapter I, and determines that the receiving zoological park is accredited by the American Zoo and Aquarium Association (AZA), or the receiving zoological park has facilities and procedures in place related to preventing the spread of communicable animal diseases (including but not limited to procedures for animal identification, record keeping, and veterinary care) that are equivalent to those required for AZA accreditation. The Administrator will approve the movement of a carcass, body part, or biological specimen derived from an imported animal subject to this agreement if the Administrator determines that the animal has spent at least one year in quarantine in a PEQ Zoo following importation without showing clinical evidence of foot-and-foot mouth disease, rinderpest, or other communicable disease that is exotic to the United States or for which APHIS has an eradication or control program in 9 CFR chapter I, and determines that the carcass, body part, or biological specimen will be moved only for scientific research or museum display purposes.

_____
(Signature of importer)

Subscribed and sworn to before me this _____ day of _____, _____.

_____
(Title or designation)

_____
(Name of zoological park)

By _____
(Signature of officer of zoological park)

_____
(Title of officer)

Subscribed and sworn to before me this _____ day of _____, _____.

_____
(Title or designation)

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 28216, June 1, 1994; 59 FR 31924, June 21, 1994; 59 FR 67615, Dec. 30, 1994; 62 FR 23637, May 1, 1997. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§ 93.405 Certificate for ruminants.

(a) All ruminants intended for importation from any part of the world, except as provided in §§ 93.418(a), 93.419(a), 93.423(c), and 93.428(d), shall be accompanied by a certificate issued by a full-time salaried veterinary officer of the national government of the region of origin, or issued by a veterinarian designated or accredited by the national government of the region of origin and endorsed by a full-time salaried veterinary officer of the national government of the region of origin, representing that the veterinarian issuing the certificate was authorized to do so. The certificate shall state:

(1) That the ruminants have been kept in that region during the last 60 days immediately preceding the date of shipment to the United States, and that during this time the region has been entirely free from foot-and-mouth disease, rinderpest, contagious pleuropneumonia, and surra; *provided, however,* that for wild ruminants for exhibition purposes, the certificate need specify only that the district of origin has been free from the listed diseases; *and provided further,* that for sheep and goats, with respect to contagious pleuropneumonia, the certificate may specify only that the district of origin has been free from this disease; and

(2) That the ruminants are not in quarantine in the region of origin.

(b) *Goats.* (1) In addition to the statements required by paragraph (a) of this section, the certificate accompanying goats intended for importation from any part of the world must state:

(i) That none of the goats in the herd from which the goats will be imported is the progeny of a sire or dam that has been affected with scrapie or that has produced offspring that have been affected with scrapie;

(ii) That none of the female goats in the herd from which the goats will be imported has been impregnated, during the 5 years immediately preceding shipment of the goats to the United States, with germ plasm from a herd known to be infected with scrapie;

(iii) That the veterinarian issuing the certificate has inspected the goats in the herd from which the animals will be imported and found the herd to be free of any evidence of infectious or contagious disease; and

(iv) That as far as it is possible for the veterinarian who inspects the animals to determine, none of the goats in the herd from which the animals will be imported has been exposed to any infectious or contagious disease during the 60 days immediately preceding shipment to the United States.

(2) In addition, the certificate accompanying goats intended for importation from any part of the world except Australia, Canada, and New Zealand must state:

(i) That the goats have not been in any herd nor had contact with sheep or goats that have been in any flock or herd where scrapie has been diagnosed or suspected during the 5 years immediately prior to shipment; and

(ii) That the goats have not had any contact with sheep during the 5 years immediately prior to shipment; *provided that,* this statement is not required if the goats are imported in accordance with § 93.435(a) into a herd in the United States that participates in the Voluntary Scrapie Flock Certification Program.

(c) *Sheep.* (1) In addition to the statements required by paragraph (a) of this section, the certificate accompanying sheep intended for importation from any part of the world must state:

(i) That none of the sheep in the flock from which the sheep will be imported is the progeny of a sire or dam that has been affected with scrapie or that has produced offspring that have been affected with scrapie;

(ii) That none of the female sheep in the flock from which the sheep will be imported has been impregnated, during the 5 years immediately preceding shipment of the sheep to the United States, with germ plasm from a flock known to be infected with scrapie;

(iii) That the veterinarian issuing the certificate has inspected the sheep in the flock from which the animals will be imported and found the flock to be free of any evidence of infectious or contagious disease; and

(iv) That as far as it is possible for the veterinarian who inspects the animals to determine, none of the sheep in the flock from which the animals will be imported has been exposed to any

infectious or contagious disease during the 60 days immediately preceding shipment to the United States.

(2) In addition, the certificate accompanying sheep intended for importation from any part of the world except Australia, Canada, and New Zealand must state that the sheep have not been in any flock nor had contact with sheep or goats that have been in any flock or herd where scrapie has been diagnosed or suspected during the 5 years immediately prior to shipment.

(3) In addition, the certificate accompanying sheep intended for importation from Australia, Canada, and New Zealand must state that none of the female sheep in the flock from which the sheep will be imported has been impregnated, during the 5 years immediately preceding shipment of the sheep to the United States, with germ plasm from a region other than Australia, Canada, New Zealand, or the United States, or from a flock of unknown scrapie status; *provided that*, this statement is not required if the sheep are imported in accordance with §93.435(a) into a flock in the United States that participates in the Voluntary Scrapie Flock Certification Program.

(d) If ruminants are unaccompanied by the certificate as required by paragraphs (a), (b), and (c) of this section, or if such ruminants are found upon inspection at the port of entry to be affected with a communicable disease or to have been exposed thereto, they shall be refused entry and shall be handled thereafter in accordance with the provisions of section 8 of the Act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103), or quarantined, or otherwise disposed of as the Administrator may direct.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990, as amended at 55 FR 39606, Sept. 28, 1990; 57 FR 28080, June 24, 1992; 59 FR 52241, Oct. 17, 1994; 61 FR 17237, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§93.406 Diagnostic tests.

(a) *Tuberculosis and brucellosis tests of cattle.* Except as provided in §§93.418, 93.427(c) and (d), and 93.432, all cattle offered for importation from any part of the world, except for immediate slaughter, shall be accompanied by a satisfactory certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, showing that the cattle have been tested for tuberculosis and brucellosis with negative results within 30 days of the date of their exportation; *Provided*, That the brucellosis test will not be required for steers, spayed heifers, or any cattle less than 6 months old. The said certificate shall give the dates and places of testing, names of the consignor and consignee, and a description of the cattle, with breed, ages, and markings.

(b) *Tuberculosis and brucellosis tests of goats.* Except as provided in §§93.419 and 93.428(b), all goats offered for importation, except for immediate slaughter, shall be accompanied by a satisfactory certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, showing that the goats have been tested for tuberculosis and brucellosis with negative results within 30 days of the date of their exportation. The said certificate shall give the dates and places of testing, method of testing, names of consignor and consignee, and a description of the goats, including breed, ages, markings, and tattoo and eartag numbers.

(c) *Further tests during quarantine.* Ruminants that have been tested as prescribed in the paragraphs (a) and (b) of this section and that are subject to quarantine at the port of entry as provided in §93.411, shall be retested during the last 10 days of the quarantine

period under the supervision of a veterinary inspector, by one or more of the methods approved by the Administrator.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 28080, June 24, 1992; 58 FR 68509, Dec. 28, 1993. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§ 93.407 Declaration and other documents for ruminants.

(a) The certificates, declarations, and affidavits required by the regulations in this part shall be presented by the importer or his or her agent to the collector of customs at the port of entry, upon arrival of ruminants at such port, for the use of the veterinary inspector at the port of entry.

(b) For all ruminants offered for importation, the importer or his or her agent shall first present two copies of a declaration which shall list the port of entry, the name and address of the importer, the name and address of the broker, the origin of the ruminants, the number, breed, species, and purpose of the importation, the name of the person to whom the ruminants will be delivered, and the location of the place to which such delivery will be made.

§ 93.408 Inspection at the port of entry.

Inspection shall be made at the port of entry of all ruminants imported from any part of the world except as provided in §§ 93.421 and 93.426. All ruminants found to be free from communicable disease and not to have been exposed thereto within 60 days prior to their exportation to the United States shall be admitted subject to the other provisions in this part; all other ruminants except as provided in §§ 93.423(c) and 93.427(a) shall be refused entry. Ruminants refused entry, unless exported within a time fixed in each case by the Administrator, and in accordance with other provisions he or she may require in each case for their handling shall be disposed of as the Administrator may direct in accordance with provisions of section 2 of the Act of July 2, 1962 (21 U.S.C. 134a), or the provisions of section 8 of the Act of August 30, 1890 (21 U.S.C. 103). Such portions of the transporting vessel, and of its cargo, which have been exposed to any such ruminants or their emanations shall be disinfected in such manner as may be considered necessary by the inspector in charge at the port of entry, to prevent the introduction or spread of livestock or poultry disease, before the cargo is allowed to land.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997

§ 93.409 Articles accompanying ruminants.

No litter or manure, fodder or other aliment, nor any equipment such as boxes, buckets, ropes, chains, blankets, or other things used for or about ruminants governed by the regulations in this part, shall be landed from any conveyance except under such restrictions as the inspector in charge at the port of entry shall direct.

§ 93.410 Movement from conveyances to quarantine station.

Platforms and chutes used for handling imported ruminants shall be cleaned and disinfected under APHIS supervision after being so used. The said ruminants shall not be unnecessarily moved over any highways nor allowed to come in contact with other animals, but shall be transferred from the conveyance to the quarantine grounds in boats, cars, or vehicles approved by the inspector in charge at the port of entry. Such cars, boats, or vehicles shall be cleaned and disinfected under APHIS supervision immediately after such use, by the carrier moving the same. The railway cars so used shall be either cars reserved for this exclusive use or box cars not otherwise employed in the transportation of animals or their fresh products. When movement of the aforesaid ruminants upon or across a public highway is unavoidable, it shall be under such careful supervision and restrictions as the inspector in charge at the port of entry and the local authorities may direct.

§ 93.411 Quarantine requirements.

(a) Except for cattle from Central America and the West Indies, and except for ruminants from Canada and Mexico, all ruminants imported into the United States shall be quarantined

for not less than 30 days counting from the date of arrival at the port of entry.

(b) Wild ruminants shall be subject, during their quarantine, to such inspections, disinfection, blood tests, or other tests as may be required by the Administrator to determine their freedom from disease.

[61 FR 17238, Apr. 19, 1996. Redesignated at 62 FR 56012, Oct. 28, 1997]

§93.412 Ruminant quarantine facilities.

(a) *Privately operated quarantine facilities.* The importer, or his or her agent, of ruminants subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the privately operated quarantine facility and for the care, feed, and handling of the ruminants from the time of unloading at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The quarantine facility must be suitable for the quarantine of such ruminants and must be approved by the Administrator prior to the issuance of any import permit. The facilities occupied by ruminants should be kept clean and sanitary to the satisfaction of the inspector assigned to supervise the quarantine. If for any cause the care, feed, or handling of ruminants, or the sanitation of the facilities, is neglected, in the opinion of the inspector assigned to supervise the quarantine, such services may be furnished by APHIS in the same manner as though arrangements had been made for such services as provided by paragraph (b) of this section, and/or the ruminants may be disposed of as the Administrator may direct, including sale in accordance with the procedure described in paragraph (b) of this section. The importer, or his or her agent, shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS for damages which may arise from such services. The Administrator, may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for all services received by the importer, or his or her agent, in connection with each separate lot of ruminants shall be made by certified check or U.S. money order prior to release of the ruminants. If such payment is not made, the ruminants may be sold in accordance with the procedure described in paragraph (b) of this section, or otherwise disposed of as directed by the Administrator.

(b) *Quarantine facilities maintained by APHIS.* The importer, or his or her agent, of ruminants subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the quarantine facility, and for the care, feed, and handling of the ruminants from the time they arrive at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. The importer or his or her agent shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS, for damages which may arise from such services. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The Administrator may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for services received by the importer, or his or her agent, in connection with each separate lot of ruminants shall be made by certified check or U.S. money order prior to release of the ruminants. If such payment is not made, the ruminants may be sold in accordance with the procedure described in this paragraph or otherwise disposed of as directed by the Administrator. When

payment is not made and the ruminants are to be sold to recover payment for services received, the importer, or his or her agent, will be notified by the inspector that if said charges are not immediately paid or satisfactory arrangements made for payment, the ruminants will be sold at public sale to pay the expense of care, feed, and handling during that period. The sale will be held after the expiration of the quarantine period, at such time and place as may be designated by the General Services Administration or other designated selling agent. The proceeds of the sale, after deducting the charges for care, feed, and handling of the ruminants and other expenses, including the expense of the sale, shall be held in a Special Deposit Account in the United States Treasury for 6 months from the date of sale. If not claimed by the importer, or his or her agent, within 6 months from the date of sale, the amount so held shall be transferred from the Special Deposit Account to the General Fund Account in the United States Treasury.

(c) Amounts collected from the importer, or his or her agent, for service rendered shall be deposited so as to be available for defraying the expenses involved in this service.

§ 93.413 Quarantine stations, visiting restricted; sales prohibited.

Visitors shall not be admitted to the quarantine enclosure during any time that ruminants are in quarantine except that an importer (or his or her accredited agent or veterinarian) may be admitted to the yards and buildings containing his or her quarantined ruminants at such intervals as may be deemed necessary, and under such conditions and restrictions as may be imposed, by the inspector in charge of the quarantine station. On the last day of the quarantine period, owners, officers or registry societies, and others having official business or whose services may be necessary in the removal of the ruminants may be admitted upon written permission from the said inspector. No exhibition or sale shall be allowed within the quarantine grounds.

§ 93.414 Milk from quarantined ruminants.

Milk or cream from ruminants quarantined under the provisions of this part shall not be used by any person other than those in charge of such ruminants, nor be fed to any animals other than those within the same enclosure, without permission of the inspector in charge of the quarantine station and subject to such restrictions as he or she may consider necessary to each instance. No milk or cream shall be removed from the quarantine premises except in compliance with all State and local regulations.

§ 93.415 Manure from quarantined ruminants.

No manure shall be removed from the quarantine premises until the release of the ruminants producing same.

§ 93.416 Appearance of disease among ruminants in quarantine.

If any contagious disease appears among ruminants during the quarantine period special precautions shall be taken to prevent spread of the infection to other animals in the quarantine station or to those outside the grounds. The affected ruminants shall be disposed of as the Administrator may direct, depending upon the nature of the disease.

CANADA[7]

§ 93.417 Import permit and declaration for ruminants.

(a) For ruminants intended for importation from Canada, the importer shall first apply for and obtain from APHIS an import permit as provided in § 93.404: *Provided,* That an import permit is not required for ruminants offered for entry at a land border port designated in § 93.403(b) if such ruminant is:

(1) A wether;

(2) A sheep or goat imported for immediate slaughter; or

(3) A ruminant other than a sheep or goat and that ruminant:

[7] Importations from Canada shall be subject to §§ 93.417 to 93.421, inclusive, in addition to other sections in this part which are in terms applicable to such importations.

(i) Was born in Canada or the United States, and has been in no region other than Canada or the United States, or

(ii) Has been legally imported into Canada from some other region and unconditionally released in Canada so as to be eligible to move freely within that region without restriction of any kind and has been in Canada after such release for 60 days or longer.

(b) For all ruminants offered for importation from Canada, the importer or his or her agent shall present two copies of a declaration as provided in §93.407.

[55 FR 31495, Aug. 2, 1990, as amended at 60 FR 13900, Mar. 15, 1995. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§93.418 Cattle from Canada.

(a) *Health certificates.* Except for cattle imported for immediate slaughter in accordance with §93.420, cattle intended for importation from Canada shall be accompanied by a certificate issued in accordance with §93.405(a). The certificate shall state that the cattle have been inspected and found to be free from any evidence of communicable disease and that, as far as can be determined, they have not been exposed to any such disease during the preceding 60 days. Cattle found unqualified upon inspection at the port of entry will be refused entry into the United States.

(b) *Tuberculin-test certificates.* (1) Cattle from Canada from a herd in which any cattle have been determined to have tuberculosis shall not be imported into the United States.

(2) Except for cattle prohibited from importation under paragraph (b)(1) of this section, cattle from Canada may be imported into the United States if:

(i) The cattle are imported for slaughter in accordance with §93.420 of this part; or

(ii) The cattle are accompanied by a certificate issued or endorsed by a salaried veterinarian of the Canadian Government showing:

(A) That the cattle are from a tuberculosis-free herd; or

(B) The date and place the cattle were last tested for tuberculosis; that the cattle were found negative for tuberculosis on such test; and that such test was performed within 60 days preceding the arrival of the cattle at the port of entry; or

(C) That the cattle are at least five days but not more than four weeks of age and, therefore, exempt from the tuberculosis testing requirement; or

(D) For a calf imported with its dam, the date and place the calf's dam was last tested for tuberculosis; that the dam was found negative for tuberculosis on such test; that such test was performed within 60 days preceding the arrival of the calf and dam at the port of entry; and that the calf was born after such test was performed.

(c) *Brucellosis test or vaccination certificates.* (1) Cattle from Canada from a herd in which any cattle have been determined to have brucellosis may not be imported into the United States;

(2) Except for cattle prohibited from importation into the United States under paragraph (c)(1) of this section, cattle 6 months of age or older from Canada may be imported into the United States if the following conditions are met:

(i) The cattle are imported for slaughter in accordance with §92.420;

(ii) The cattle are steers; or

(iii) The cattle are accompanied by a certificate issued or endorsed by a salaried veterinarian of the Canadian government showing:

(A) That the cattle are from a brucellosis certified-free herd, province, or territory; or

(B) The date and place the cattle were last tested for brucellosis; that the cattle were found negative for brucellosis on such test; and that such test was performed within 30 days preceding the arrival of the cattle at the port of entry; or

(C) That the female cattle under 18 months of age were vaccinated against brucellosis in accordance with Canadian regulations.

(d) The certificates prescribed in paragraphs (b) and (c) of this section shall state:

(1) The names of the consignor and the consignee;

(2) A description of the cattle to be imported, including the breed, ages, markings, and tattoo and eartag numbers of each animal;

(3) The dates and places of each test required by paragraphs (b) and (c) of this section; and

(4) The date of vaccination, dosage of vaccine used, and the age of each animal on the date of vaccination for each vaccination conducted in accordance with paragraph (c)(2)(ii)(C) of this section.

[55 FR 31495, Aug. 2, 1990, as amended at 55 FR 49990, Dec. 4, 1990; 58 FR 37641, July 13, 1993; 59 FR 28216, June 1, 1994; 61 FR 17238, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§ 93.419 Sheep and goats from Canada.

(a) Except for sheep and goats imported for immediate slaughter in accordance with § 93.420, sheep and goats intended for importation from Canada shall be accompanied by a certificate issued in accordance with § 93.405.

(b) If sheep or goats are unaccompanied by the certificate required by paragraph (a) of this section, or if they are found upon inspection at the port of entry to be affected with a communicable disease or to have been exposed thereto, they shall be refused entry and shall be handled thereafter in accordance with the provisions of section 8 of the act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103), or quarantined, or otherwise disposed of as the Administrator may direct.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 28216, June 1, 1994; 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§ 93.420 Ruminants from Canada for immediate slaughter.

Any ruminant imported from Canada for immediate slaughter shall be consigned from the port of entry directly to a recognized slaughtering establishment and there be slaughtered within 2 weeks from the date of entry. Such ruminants shall be inspected at the port of entry and otherwise handled in accordance with § 93.408.

[59 FR 28216, June 1, 1994. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

§ 93.421 Special provisions.

(a) *In-bond shipments from Canada.* (1) Cattle, sheep, and goats from Canada transported in-bond through the United States for immediate export shall be inspected at the border port of entry and, when accompanied by an import permit obtained under § 93.404 of this part and all conditions therein are observed, shall be allowed entry into the United States and shall be otherwise handled as provided in paragraph (b) of § 93.401. Ruminants not accompanied by a permit shall meet the requirements of this part in the same manner as ruminants destined for importation into the United States, except that the Administrator may permit their inspection at some other point when he or she finds that such action will not increase the risk that communicable diseases of livestock and poultry will be disseminated to the livestock or poultry of the United States.

(2) *In-transit shipments through Canada.* Ruminants originating in the United States and transported directly through Canada may re-enter the United States without Canadian health or test certificates when accompanied by copies of the United States export health certificates properly issued and endorsed in accordance with regulations in part 91 of this chapter: *Provided,* That, to qualify for entry, the date, time, port of entry, and signature of the Canadian Port Veterinarian that inspected the ruminants for entry into Canada shall be recorded on the United States health certificate, or a paper containing information shall be attached to the certificate that accompanies the ruminants. In all cases it shall be determined by the veterinary inspector at the United States port of entry that the ruminants are the identical ruminants covered by said certificate.

(b) *Exhibition ruminants.* Ruminants from the United States which have been exhibited at the Royal Agricultural Winter Fair at Toronto or other publicly recognized expositions in Canada, including racing, rodeo, circus, or stage exhibitions in Canada, and have not been in that region for more than 90 days are eligible for return to the United States without Canadian health

or test certificates, if they are accompanied by copies of the United States health certificate, issued and endorsed in accordance with the export regulations contained in part 91 of this chapter for entry into Canada: *Provided,* That all ruminants offered for re-entry upon examination by the veterinary inspector at the U.S. port of entry, are found by the inspector to be free of communicable diseases and exposure thereto and are determined to be the identical ruminants covered by said certificates or are the natural increase of such ruminants born after official test dates certified on the dam's health certificate.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56018, Oct. 28, 1997]

CENTRAL AMERICA AND WEST INDIES[8]

§93.422 Import permit and declaration for ruminants.

(a) For ruminants intended for importation from regions of Central America or of the West Indies, the importer shall first apply for and obtain from APHIS an import permit as provided in §93.404: *Provided,* That the Administrator, when he or she finds that such action may be taken without endangering the livestock or poultry industry of the United States, may, upon request by any person, authorize the importation by such person, without such application or permit, from the British Virgin Islands into the Virgin Islands of the United States, of ruminants consigned for immediate slaughter, and such authorization may be limited to a particular shipment or extend to all shipments under this paragraph by such person during a specified period of time. The importation of cattle from any area infested with cattle fever ticks is prohibited except as provided in paragraph (c) of §93.423.

(b) For all ruminants offered for importation from countries of Central America or of the West Indies, the importer or his or her agent shall present two copies of a declaration as provided in §93.407.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§93.423 Ruminants from Central America and the West Indies.

(a) Ruminants intended for importation from Central America and the West Indies, except as provided in paragraph (c) of this section, must be accompanied by a certificate issued in accordance with §93.405(a) stating that the animals have been in that region at least 60 days immediately preceding the date of shipment to the United States; that he or she has inspected the ruminants on the premises of origin and found them free from evidence of any communicable disease; and that, as far as it has been possible to determine, the ruminants have not been exposed to any communicable disease during the preceding 60 days. If no such veterinary officer is available in the region of origin, ruminants, other than sheep and goats, may be accompanied by an affidavit of the owner or importer stating that such ruminants have been in the region from which they were directly shipped to the United States for a period of at least 60 days immediately preceding the date of shipment therefrom, and that during such period no communicable disease has existed among them or among animals of their kind with which they have come in contact. Ruminants for which such affidavit is presented, unless imported for immediate slaughter, shall be quarantined at the port of entry at least seven days and during that time shall be subjected to such dipping, blood tests or other tests, as may be required by the Administrator to determine their freedom from communicable diseases. If imported for immediate slaughter, such animals shall be handled as provided in §93.420.

(b) The certificate accompanying sheep and goats intended for importation from Central America and the West Indies must, in addition to the statements required by paragraph (a) of this section, meet all of the requirements of §93.405.

(c) Cattle, which have been infested with or exposed to fever ticks, may be

[8] Importations from regions of Central America and the West Indies shall be subject to §§93.422 and 93.423, in addition to other sections in this part, which are in terms applicable to such importations.

imported from the British Virgin Islands into the United States Virgin Islands, for immediate slaughter, only, if they are free from fever ticks at the time of such importation; if they are entered through one of the ports designated in § 93.403(d) and are consigned to a recognized slaughtering establishment with facilities approved by the Administrator for holding the animals in isolation until slaughtered, which shall be within 14 days after the date of entry into the United States Virgin Islands; and if they are accompanied by a certificate of a responsible official of the government of the British Virgin Islands certifying that the cattle originated in and are being shipped directly from the British Virgin Islands, that they are free of fever ticks, and that, as far as it has been possible to determine, such cattle are free from evidence of communicable disease and have not been exposed to any such disease common to animals of their kind, other than splenetic, southern, or tick fever, during the 60 days preceding their movement to the United States Virgin Islands.

(d) If ruminants are unaccompanied by the certificate or affidavit as required by paragraphs (a), (b), or (c) of this section, or if they are found upon inspection at the port of entry to be affected with a communicable disease or to have been exposed thereto, they shall be refused entry, except as provided in paragraph (c) of this section. Ruminants refused entry shall be handled thereafter in accordance with the provisions of section 8 of the Act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103), or quarantined, or otherwise disposed of as the Administrator may direct.

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[55 FR 31495, Aug. 2, 1990, as amended at 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

MEXICO[9]

§ 93.424 Import permits and applications for inspection of ruminants.

(a) For ruminants intended for importation from Mexico, the importer shall first apply for and obtain from APHIS an import permit as provided in § 93.404: *Provided*, That an import permit is not required for a ruminant offered for entry at a land border port designated in § 93.403(c), if such animal is:

(1) A wether;

(2) A sheep or goat imported for immediate slaughter; or

(3) A ruminant other than a sheep or goat and that ruminant:

(i) Was born in Mexico or the United States, and has been in no region other than Mexico or the United States, and

(ii) Has not, during the preceding 60 days been corralled, pastured, or held with, or bred by, or inseminated with semen from any ruminant which has been imported into Mexico from a region designated in § 94.1(a)(1) as infected with foot-and-mouth disease or rinderpest, and

(iii) Is not pregnant as a result of having been bred by, or artificially inseminated with semen from, a ruminant imported into Mexico from regions designated in § 94.1(a) as infected with foot-and-mouth disease or rinderpest.

(b) For ruminants intended for importation into the United States from Mexico, the importer or his or her agent shall deliver to the veterinary inspector at the port of entry an application, in writing, for inspection, so that the veterinary inspector and customs representatives may make mutually satisfactory arrangements for the orderly inspection of the animals. For all cattle, except those entering pursuant to the third proviso in § 93.427(d), and except for steers, an official record of negative brucellosis test conducted on the herd of origin as required in § 93.427(d) shall be presented to the veterinary inspector at the port of entry when application is made for inspection. The veterinary inspector at the port of entry will provide the importer or his or her agent with a written statement assigning a date when the animals may be presented for import inspection.

[55 FR 31495, Aug. 2, 1990, as amended at 60 FR 13898, 13900, Mar. 15, 1995. Redesignated and amended at 56012, 56019, Oct. 28, 1997]

[9] Importations from Mexico shall be subject to §§ 93.424 to 93.429, inclusive, in addition to other sections in this part which are in terms applicable for such importations.

§93.425 Declaration for ruminants.

For all ruminants offered for importation from Mexico, the importer or his or her agent shall present two copies of a declaration as provided in §93.407.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§93.426 Inspection at port of entry.

(a) All ruminants offered for entry from Mexico, including such ruminants intended for movement through the United States in bond for immediate return to Mexico, shall be inspected at the port of entry, and all such ruminants found to be free from communicable disease and fever tick infestation, and not to have been exposed thereto, shall be admitted into the United States subject to the other applicable provisions of this part. Ruminants found to be affected with or to have been exposed to a communicable disease, or infested with fever ticks, shall be refused entry except as provided in §93.427(b)(2). Ruminants refused entry shall be handled thereafter in accordance with provisions of section 8 of the Act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103) or quarantined or otherwise disposed of as the Administrator, may direct.

(b) Ruminants covered by paragraph (a) of this section shall be imported through ports, designated in §93.403, which are equipped with facilities necessary for proper chute inspection, dipping, and testing, as provided in this part.

[55 FR 31495, Aug. 2, 1990, as amended at 60 FR 13898, Mar. 15, 1995. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§93.427 Cattle from Mexico.

(a) Cattle and other ruminants imported from Mexico, except animals being transported in bond for immediate return to Mexico or animals imported for immediate slaughter, may be detained at the port of entry, and there subjected to such disinfection, blood tests, other tests, and dipping as required in this part to determine their freedom from any communicable disease or infection of such disease. The importer shall be responsible for the care, feed, and handling of the animals during the period of detention.

(b) *Fever ticks.* (1) Except as provided in paragraph (b)(2) of this section, all cattle intended for importation from Mexico, for purposes other than immediate slaughter, shall be accompanied by a certificate issued in accordance with §93.405(a), and showing that the veterinarian issuing the certificate inspected the cattle at the time of movement to the port of entry and found them free from any evidence of communicable disease and that, as far as it has been possible to determine, they have not been exposed to any such disease, including splenetic, southern or tick fever, during the preceding 60 days and, if shipped by rail or truck, the certificate shall further specify that the cattle were loaded into clean and disinfected cars or trucks for transportation direct to the port of entry. They shall also be accompanied by a certificate of the importer, or his or her agent supervising the shipment, stating that while en route to the port of entry they have not been trailed or driven through any district or area infested with fever ticks. Notwithstanding such certificates, such cattle shall be detained as provided in paragraph (a) of this section and shall be dipped at least once, under the supervision of an inspector, in one of the permitted dips listed in §72.13(b) of this chapter. The selection of the permitted dip to be used will be made by the port veterinarian in each case. The owner or his or her agent shall first execute an application for inspection and dipping as provided in paragraph (b)(2)(iii) of this section.

(2) Cattle that have been exposed to splenetic, southern, or tick fever, or that have been infested with or exposed to fever ticks, may be imported from Mexico for admission into the State of Texas, except into areas quarantined because of said disease or tick infestation as specified in §72.5 of this chapter, either at one of the land border ports in Texas listed in §93.403(c) of this part, or at the port of Santa Teresa, NM, provided that the following conditions are strictly observed and complied with:

(i) The cattle shall be accompanied by a certificate issued in accordance with §93.405(a), and showing that the veterinarian issuing the certificate has

inspected the cattle and found them free from fever ticks and any evidence of communicable disease, and that, as far as it has been possible to determine, they have not been exposed to any such disease, except splenetic, southern, or tick fever, during the 60 days immediately preceding their movement to the port of entry.

(ii) The cattle shall be shown by a certificate issued in accordance with § 93.405(a) to have been dipped in a tickicidal dip within 7 to 12 days before being offered for entry.

(iii) The importer, or his or her duly authorized agent, shall first execute and deliver to an inspector at the port of entry an application for inspection and supervised dipping wherein he or she shall agree to waive all claims against the United States for any loss or damage to the cattle occasioned by or resulting from dipping, or resulting from the fact that they are later found to be still tick infested; and also for all subsequent loss or damage to any other cattle in the possession or control of such importer which may come into contact with the cattle so dipped.

(iv) The cattle when offered for entry shall receive a chute inspection by an inspector. If found free from ticks they shall be given one dipping in one of the permitted dips listed in § 72.13(b) of this chapter under the supervision of an inspector 7 to 14 days after the dipping required by paragraph (b)(2)(ii) of this section. The selection of the permitted dip to be used will be made by the port veterinarian in each case. If found to be infested with fever ticks, the entire lot of cattle shall be rejected and will not be again inspected for entry until 10 to 14 days after they have again been dipped in the manner provided by paragraph (b)(2)(ii) of this section.

(v) The conditions at the port of entry shall be such that the subsequent movement of the cattle can be made without exposure to fever ticks.

(c) *Tuberculosis.* (1) In addition to the provisions required in the certificate under paragraph (b) of this section, such certificate shall also show, with respect to all cattle from Mexico, except cattle certified in accordance with § 93.429, that a review of the available herd history, including any tuberculin test results, traceback slaughter reports and post-mortem record, and any other available records or information do not indicate evidence of tuberculosis or exposure thereto during the preceding 60 days. The certificate shall also show, with respect to all cattle, except cattle certified in accordance with § 93.429 and steers, that the herd or herds from which the cattle proceed have been tuberculin tested with negative results not more than 12 months nor less than 3 months before the date the animals are offered for entry into the United States and that the animals presented for entry, excepting only the natural increase in the herd, were included in the herd or herds of origin at the time of said herd test. The certificate shall further show, with respect to steers, except those certified in accordance with § 93.429, that each animal has been tested with negative results either by a salaried veterinarian of the National Government of Mexico or by a veterinarian accredited by the National Government of Mexico, not more than 60 days before the date the animals are offered for entry into the United States: *Provided,* That for steers not so tested and certified, the importer may elect to have the tuberculin test completed at the port of entry under the supervision of the port veterinarian. The said certificate shall give the date and place of inspection, the date and place and results of the tuberculin test if applicable, the name of the herd owner, the name of the consignor and consignee, and an individual description of each animal including breed, age, sex, and tattoo and official Mexican Ministry of Agriculture and Water Resources (SARH) blue eartag numbers. However, cattle, including steers, that originated in herds declared to be tuberculosis-accredited by the Government of Mexico in accordance with that region's standards do not have to comply with the other provisions of this paragraph if they are moved directly to the U.S. port of entry from their herd of origin without having commingled with cattle from any herd not so accredited enroute to the port of entry, and they are accompanied by a health certificate, issued in accordance with § 93.405(a), stating that the cattle originated in such a tuberculosis-accredited herd and identifying

the animals by official Mexican Ministry of Agriculture and Water Resources (SARH) blue eartag and tattoo numbers.

(2) Each steer imported into the United States from Mexico shall be identified with a distinct, permanent, and legible ''M'' mark applied with a freeze brand, hot iron, or other method prior to arrival at a port of entry, unless the steer is imported for slaughter in accordance with §93.429. Each spayed heifer imported into the United States from Mexico shall be identified with a distinct, permanent, and legible ''M_x'' mark applied with a freeze brand, hot iron, or other method prior to arrival at a port of entry, unless the spayed heifer is imported for slaughter in accordance with §93.429. The ''M'' or ''M_x'' mark shall be not less than 2 inches nor more than 3 inches high, and shall be applied to each animal's right hip, high on the tailhead (over the junction of the sacral and first coccygeal vertebrae).

(3) Cattle from a herd or herds in which one or more reactors to the tuberculin test have been disclosed shall not be eligible for importation until said herd or herds have reached full tuberculosis-free status under Mexican Government regulations.

(4) All bulls and female cattle accompanied by the certificate described herein shall be detained at the port of entry under the supervision of the port veterinarian until tested for tuberculosis with negative results: *Provided,* That if any reactor is disclosed in any lot when so tested at the port of entry, the entire lot shall be refused entry and the entire lot or any portion thereof shall not be eligible for importation until said lot has reached full tuberculosis-free status under Mexican Government regulations and the animals offered for entry have met the other applicable requirements of this section.

(5) The importation of Holstein steers and Holstein spayed heifers from Mexico is prohibited.

(d) *Brucellosis.* All cattle offered for importation into the United States from Mexico shall be individually identified with a numbered, blue metal eartag issued by the Mexican Ministry of Agriculture and Water Resources (SARH); and except in the case of steers, shall be eligible for entry into the United States only if, in addition to complying with other applicable provisions of this part, they:

(1) Are accompanied by a certificate issued in accordance with §93.405(a) stating:

(i) That such cattle originated in a herd in which all cattle (except calves under 6 months of age and steers) were tested for brucellosis not less than 30 days nor more than 90 days prior to the date of certification and were found to be negative;

(ii) The date and place such herd was tested; and

(iii) That the cattle in the herd have been isolated from all other cattle from the time the herd was tested negative for brucellosis to the date of the offer of the cattle for entry into the United States; and

(2) Except for calves under 6 months of age, are subjected to an additional test for brucellosis at the port of entry and found negative to such test: *Provided,* That if any reactor is disclosed in any lot when so tested at the port of entry, the entire lot shall be refused entry and the entire lot or any portion thereof may not be reoffered for entry until retested and recertified in accordance with paragraphs (d)(1) and (2) of this section or any cattle found to be negative to such test and any calves under 6 months of age in such lot may enter if consigned and moved under U.S. Department of Agriculture seal and without diversion to recognized slaughtering establishment as defined in §78.1 of this chapter for immediate slaughter, or if consigned and moved under U.S. Department of Agriculture seal and without diversion to a quarantined feedlot, as defined in §78.1 of this chapter and thereafter handled in accordance with the provisions of §78.12 of this chapter: *Provided, further,* That if any suspect but no reactor is disclosed in any lot when so tested at the port of entry, any cattle found to be negative to such test and any calves under 6 months of age in such lot may enter without further restriction under this paragraph (d): *And provided further,* That any cattle other than cattle which are classified as a reactor or suspect to a test for brucellosis may enter the United States from Mexico without

the certificate or any test otherwise required by this paragraph, if they are individually identified with a numbered, blue metal eartag issued by the Mexican Ministry of Agriculture and Water Resources (SARH) and are consigned and moved to a slaughtering establishment for immediate slaughter, or to a quarantined feedlot, in accordance with the first proviso in this paragraph and otherwise comply with the applicable provisions of this part.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 2010, Jan. 17, 1992; 57 FR 28080, 28081, June 24, 1992; 58 FR 68509, Dec. 28, 1993; 59 FR 24886, May 13, 1994; 59 FR 65897, Dec. 22, 1994; 60 FR 13898, Mar. 15, 1995; 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997; 62 FR 64266, Dec. 5, 1997]

§ 93.428 Sheep and goats and wild ruminants from Mexico.

(a) Sheep and goats intended for importation from Mexico shall be accompanied by a certificate issued in accordance with § 93.405 and stating, if such sheep and goats are shipped by rail or truck, that such animals were loaded into cleaned and disinfected cars or trucks for transportation direct to the port of entry. Notwithstanding such certificate, such sheep and goats shall be detained as provided in § 93.427(a) and shall be dipped at least once in a permitted scabies dip under supervision of an inspector.

(b) The certificate accompanying goats offered for importation from Mexico shall, in addition to the statements required by paragraph (a) of this section, state that such goats have been tested for tuberculosis and brucellosis with negative results within 30 days preceding their being offered for entry, and give the date and method of testing, the name of the consignor and of the consignee, and a description of the animals including breed, ages, markings, and tattoo and eartag numbers. Notwithstanding such certification, such goats shall be detained or quarantined as provided in § 93.427 and retested for brucellosis.

(c) If sheep or goats are unaccompanied by the certificate as required by paragraphs (a) and (b) of this section, or if they are found upon inspection or retesting, as provided for in this part, to be affected with a communicable disease or to have been exposed thereto, they shall be refused entry and shall be handled thereafter in accordance with the provisions of section 8 of the Act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103), or quarantined, or otherwise disposed of as the Administrator may direct.

(d) Certificates will not be required for wild ruminants, other than sheep and goats, originating in and shipped direct from Mexico, but such animals are subject to inspection at the port of entry as provided in § 93.426.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990, as amended at 56 FR 367, Jan. 4, 1991; 57 FR 28081, June 24, 1992; 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§ 93.429 Ruminants for immediate slaughter.

Ruminants, other than sheep and goats, may be imported from Mexico, subject to the applicable provisions of §§ 93.424, 93.425, 93.426, and 93.427(b)(2) for immediate slaughter if accompanied by a certificate issued in accordance with § 93.405(a) and stating that the veterinarian who issued the certificate has inspected the animals in the herd from which the ruminants will be imported and found them free of evidence of communicable disease, and that, so far as it has been possible to determine, they have not been exposed to any such disease common to animals of their kind during the preceding 60 days, and if the ruminants are shipped by rail or truck, the certificate shall further specify that the ruminants were loaded into cleaned and disinfected cars or trucks for transportation directly to the port of entry. Such ruminants shall be moved from the port of entry in conveyances sealed with seals of the United States Government. Sheep and goats from any part of Mexico may be imported only in compliance with other applicable sections in this part.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 28081, June 24, 1992; 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§93.430–93.431 [Reserved]

§93.432 Cattle from the Republic of Ireland.

(a) All cattle to be imported from the Republic of Ireland shall be accompanied by a certificate issued or endorsed by a salaried veterinarian of the Republic of Ireland showing that the cattle originated from a herd which is officially certified by the Republic of Ireland as a brucellosis qualified for export herd and that the cattle meet the requirements in §93.432(c).

(b) A brucellosis qualified for export herd is a herd in which all of the cattle have been maintained as a herd unit for at least two years prior to importation and all of the test eligible cattle in the herd (i.e., cattle over 6 months of age, except steers and spayed heifers) have been tested annually for brucellosis and found negative in accordance with Republic of Ireland requirements for at least two years prior to importation. The most recent negative herd test must have been conducted within 12 months of the date of importation. In addition:

(1) Such herd unit may include cattle which were born and raised within such herd unit during the two year period, or cattle which were moved directly to the herd from another herd unit of like status; or

(2) Such herd unit may include other cattle (except brucellosis reactors, suspects and animals listed in §93.432(c)(1)) if:

(i) Such other cattle have been tested for brucellosis and found negative within 30 days prior to entry into the herd unit and all eligible cattle in the herd unit have been tested for brucellosis and found negative not less than 90 days following the date when the last of the other cattle had been added to the herd unit; or

(ii) All eligible cattle in the herd unit have been tested negative for brucellosis no less than 180 days nor more than 12 months (365 days) following the date when the last of the other cattle had been added to the herd unit.

(c) The certificate accompanying cattle offered for importation from the Republic of Ireland shall show that the cattle are from a brucellosis qualified for export herd and that they meet the following requirements:

(1) The cattle to be exported were not born to or nursed by brucellosis reactors and they were not born in a herd at the time the herd was under quarantine due to brucella infection.

(2) The cattle were placed in an isolation facility approved by a full-time, salaried, Government of Ireland veterinary official, on separate premises a minimum of 500 yards from other livestock not destined for export to the United States for at least 60 days prior to export.

(3) The cattle were negative to the following tests conducted not less than 60 nor more than 120 days from the date of export and a second set of tests conducted within 30 days of the date of export;

(i) Plate or Tube agglutination test conducted in dilutions to detect reactions at 30, 60, 120, and 240 International Units per milliliter (IU/ml);

(ii) Brucellosis card test (Rose Bengal test);

(iii) Complement Fixation (CF) test conducted in dilutions to detect prozone reactions, when present.

(4) Cattle are eligible for entry only if classified as negative at 30 IU to the Plate or Tube agglutination test, negative to the brucellosis card test and negative to the CF test as performed and interpreted by standard methods at the Republic of Ireland Brucellosis Diagnostic Laboratory. Any animal exhibiting a prozone serological reaction is ineligible for export to the United States.

(5) Cattle showing a serological titer more than 60 IU to the Plate or Tube agglutination test, or a reaction to the Brucellosis card test (Rose Bengal) or CF test that would be interpreted to be an infected animal (reactor) under the Republic of Ireland brucellosis control program. Animals from that herd of origin and all other cattle having the opportunity for contact with the reactor animal shall not be eligible for export to the United States. Brucellosis bacteriologically positive animals, if known, regardless of serologic reactions, are not eligible for importation nor are any animals in contact with such animals.

(6) The cattle were moved directly to the port of export from the isolation facility without contact with any other cattle which are not qualified for export to the United States.

(d) The certificate accompanying the cattle offered for importation must also show the dates and places of testing, names of the consignor and consignee, and descriptions of the cattle, including breed, ages, markings, and tattoo and eartag numbers.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§ 93.433 [Reserved]

§ 93.434 Standards for approval of privately operated quarantine facilities for sheep or goats, and handling procedures for the importation of sheep or goats.

(a) *Cooperative agreement.* No facility shall operate as a privately operated quarantine facility for sheep or goats unless it is operated in accordance with a cooperative agreement executed by the operator or other designated representative of the facility and by the Administrator, and unless such cooperative agreement includes all the requirements of this section and includes a requirement that the cost of the facility and all costs associated with the maintenance and operation of the facility shall be borne by the operator in accordance with the provisions of § 93.412 of this part.

(b) *Approval of facilities.* To qualify for designation as an approved privately operated quarantine facility[15] and to retain such approval, the facility and its maintenance and operation must meet the minimum requirements of this section. Approval of any quarantine facility shall be contingent upon a determination by the Administrator that adequate personnel are available to provide services required by the facility if approved. The cost of the facility and all costs associated with the maintenance and operation of the facility shall be borne by the operator in accordance with the provisions of § 93.412 of this part.

(1) *Supervision of the facility.* The facility shall be maintained under the supervision of an APHIS veterinarian.

(2) *Physical plant requirements.* The facility shall comply with the following requirements:

(i) *Location.* The quarantine facility shall:

(A) Be located at one of the ports listed in § 93.403(g) of this part;

(B) Be located within the immediate area of the port of entry to minimize the possibility of introduction and dissemination of diseases by the imported sheep or goats while in transit from the point of entry to the quarantine facility; and

(C) Be located at least one-half mile from any livestock.

(ii) *Construction.* The quarantine facility building shall:

(A) Be constructed so that the surfaces of the floors and the surfaces of that part of the walls with which the sheep or goats, their excrement, or discharges have contact are constructed of materials that are substantially impervious to moisture and that can withstand continued cleaning and disinfection;

(B) Be constructed so that the ceiling and that part of the walls with which the sheep or goats, their excrement, or discharges do not have contact can withstand cleaning and disinfection between shipments;

(C) Be constructed with each entryway equipped with a series of two solid doors, and with other openings covered with screening 16 mesh or finer, unless the Administrator specifically approves other types of doors and openings as adequate to prevent the entry of insects;

(D) Be constructed so that different lots of sheep or goats in the facility at the same time are separated by physical barriers in such a manner that sheep or goats in a given lot do not have physical contact with sheep or goats in another lot, or with their excrement, or discharges (for the purposes of this section a ''lot'' shall mean a group of sheep or goats that have been held on a premises with opportunity for commingling (physical contact with other sheep or goats in the

[15] Information as to the identity of such facilities may be obtained from the Administrator, Animal and Plant Health Inspection Service, U.S. Department of Agriculture, Washington, DC 20250.

group or with their excrement or discharges) at any time since 30 days prior to export to the United States);

(E) Have a ventilation capacity sufficient to control moisture and odor at levels that are not injurious to the health of the sheep or goats in quarantine;

(F) Have a separate, controlled, forced air ventilation system for each lot of sheep or goats that is housed in the facility if the facility is approved to handle more than one lot of sheep or goats at a time;

(G) Have a separate feed storage area, if feed is stored in the facility;

(H) Have office space for recordkeeping available for use by APHIS personnel;

(I) Have a necropsy area with facilities adequate for specimen preparation and equipped with a refrigerator-freezer for storing specimens for laboratory examination;

(J) Have a separate area for washing clothes and equipment used in the facility;

(K) Have a shower at the entrance to the sheep- or goat-holding area and the necropsy area and a clothes storage and change area at each end of the shower area; and

(L) Have a storage area for equipment necessary for quarantine operations.

(iii) *Sanitation and security.* Arrangements shall exist for:

(A) Equipment and supplies necessary to maintain the facility in a clean and sanitary condition, including insect and pest control equipment and supplies;

(B) Separately maintained equipment and supplies for each lot of animals;

(C) A supply of potable water adequate to meet all watering and cleaning needs;

(D) Power cleaning and disinfecting equipment with adequate capacity to disinfect the facility and equipment;

(E) Sufficient stocks of a disinfectant authorized in §71.10 of this chapter;

(F) Disposal of wastes by burial, incineration or in a public sewer system in compliance with all applicable environmental quality control standards;

(G) Upon the death or destruction of any sheep or goat, disposal of the carcass, in conformance with all applicable environmental quality control standards, by incineration, by burial, or by storing the sheep or goat carcasses in the facility in a freezer at a temperature below 20 degrees Fahrenheit and upon release of the lot of sheep or goats from the facility, disposing of any carcasses by grinding and then heating them for at least one hour at a temperature of not less than 265 degrees Fahrenheit;

(H) Control of surface drainage into or from the facility in a manner adequate to prevent any significant risk of livestock diseases being spread into or from the facility;

(I) Protective clothing and footwear adequate in quantity to ensure that workers at the facility have clean clothing and footwear at the start of each workday and at any time such articles become soiled or contaminated;

(J) A receptacle for soiled and contaminated clothing in the clothes change area located nearest the entrance to the sheep- or goat-holding area;

(K) A security system which prevents persons not authorized entry to the facility and animals outside the facility from having contact with sheep or goats in quarantine. Such a system shall include a daily log to record the entry and exit of all persons entering the facility; and

(L) Feed and bedding for sheep or goats in quarantine must originate in an area not under quarantine because of cattle fever ticks (see part 72 of this chapter) and must be stored in the facility in a manner which adequately protects these supplies against infestation by vermin and against spoilage.

(3) *Operating procedures.* To retain designation as an approved quarantine facility, the following procedures shall be observed at the facility at all times:

(i) *Personnel.* Access to the facility shall be granted only to persons working at the facility or to persons specifically granted such access by the APHIS veterinarian.

(A) All personnel granted access to the sheep- or goat-holding area shall:

(*1*) Wear clean protective clothing and footwear upon entering the sheep- or goat-holding area;

(*2*) Change protective clothing and footwear when they become soiled or contaminated;

(*3*) Shower when entering and leaving the sheep- or goat-holding area;

(*4*) Shower when leaving the necropsy area after conducting a necropsy; and

(*5*) Be prohibited from having contact with any sheep other than the lot of sheep or goats to which the person is assigned and be prohibited from having contact with ruminants or swine outside the quarantine facility.

(B) The operator of the facility shall handle soiled and contaminated clothing worn within the quarantine facility in a manner approved by the APHIS veterinarian as adequate to preclude transmission of any animal disease agent from the facility.

(ii) Any other person who enters the sheep- or goat-holding area, in addition to those persons granted access in paragraph (b)(3)(i) of this section, shall be prohibited from having contact with other lots of sheep or goats within the facility and with ruminants and swine outside the facility for a period of time determined by the supervising veterinarian as necessary to prevent a risk of spreading communicable livestock diseases.

(iii) Any vehicle entering the quarantine facility building to deliver feed shall be cleaned and disinfected under the supervision of an inspector with a disinfectant authorized in §71.10 of the regulations immediately before entering and before leaving the facility.

(iv) *Handling of the sheep or goats in quarantine.* The sheep or goats in the quarantine facility shall be handled in compliance with the following requirements:

(A) Each lot of sheep or goats to be quarantined shall be placed in the facility on an ''all-in, all-out'' basis. No sheep or goat shall be taken out of the lot while it is in quarantine except for diagnostic purposes and no sheep shall be added to a lot while the lot is in quarantine.

(B) The portion of the quarantine facility from which a lot of sheep or goats has been released shall be thoroughly cleaned and disinfected under supervision of an inspector with a disinfectant authorized in §71.10 of this chapter, before a new lot is placed in that portion of the facility.

(v) *Records.* It shall be the responsibility of the supervisory veterinarian to maintain a current daily log for each lot of sheep or goats, recording such information as the individual identification of the sheep or goats, source or origin of the sheep or goats in the lot, total number of sheep or goats in the lot when imported, number of dead or injured sheep or goats when the lot arrived, the date the lot was placed into the facility, the general condition of the sheep or goats each day, record of any medication administered to the sheep or goats, number of deaths each day in the lot during the quarantine period, necropsy results, laboratory findings on sheep or goats that died during the quarantine period, date of prescribed tests and results, Department import permit numbers of each lot, the date the lot was removed from the facility, and any other observations pertinent to the general health of the sheep or goats in the lot. The operator of the facility shall hold the log for 12 months following the date of release of the sheep or goats from quarantine and shall make it available to APHIS personnel upon request.

(4) *Environmental requirements.* It shall be the responsibility of the operator of the facility to provide a certification executed by an appropriate government official indicating compliance with the applicable laws for environmental protection.

(5) *Additional requirements.* Additional requirements as to location, security, physical plant and facilities, sanitation, and other items may be imposed by the Administrator in each specific case in order to assure that the quarantine of the sheep or goats in such facility will be adequate to enable determination of their health status, prevent spread of disease among sheep or goats in quarantine, and prevent escape of animal disease agents from the facility.

(c) *Request for approval.* Requests for approval of a privately operated quarantine facility shall be made by writing to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export,

4700 River Road Unit 38, Riverdale, Maryland 20737–1231. The request should include the full name and mailing address of the applicant and the location and street address of the facility for which approval is sought. Requests for approval and plans for proposed facilities shall be submitted no less than 90 days before the proposed date of entry of the first lot of sheep or goats into the quarantine facility.

(d) *Withdrawal or denial of approval.* (1) Approval of any facility may be refused and approval of any approved quarantine facility may be withdrawn at any time by the Administrator, for any of the reasons provided in paragraph (d)(2) of this section. Before such action is taken, the operator of the facility will be informed of the reasons for the proposed action. If there is a conflict as to any material fact, the operator, upon request, shall be afforded an opportunity for a hearing with respect to the merits or validity of such action, in accordance with rules of practice which shall be adopted for the proceeding. However, such withdrawal shall become effective pending final determination in the proceeding when the Administrator determines that such action is necessary to protect the public health, interest, or safety. Such withdrawal shall be effective upon oral or written notification, whichever is earlier, to the operator of the facility. In the event of oral notification, written confirmation shall be given to the operator of the facility as promptly as circumstances allow. This withdrawal shall continue in effect pending the completion of the proceeding and any judicial review, unless otherwise ordered by the Administrator. In addition to withdrawal or denial of approval when the requirements for approval are not complied with, approval will be automatically withdrawn by the Administrator when the operator of any approved facility notifies the Area Veterinarian in Charge for the State in which the facility is located, in writing, that the facility is no longer in operation.[16]

(2) Except as provided in paragraph (d)(4) of this section, the approval of a privately operated quarantine facility for sheep or goats may be denied or withdrawn if:

(i) Any requirement of this section is not complied with; or

(ii) The operator or a person responsibly connected with the business of the quarantine facility is or has been convicted of any crime under any law regarding the importation or quarantine of any animal or bird; or

(iii) The operator or a person responsibly connected with the business of the quarantine facility is or has been convicted of any crime involving fraud, bribery, or extortion or any other crime involving a lack of integrity needed for the conduct of operations affecting the importation of animals; or

(iv) The approved quarantine facility has not been used to quarantine sheep or goats for a period of one year.

(3) For the purposes of this section, a person shall be deemed to be responsibly connected with the business of the quarantine facility if such person has an ownership, mortgage, or lease interest in the facility's physical plant, or if such person is a partner, officer, director, holder or owner of 10 percent or more of its voting stock, or an employee in a managerial or executive capacity.

(4) The denial or withdrawal referred to in paragraph (d)(2) of this section shall not be solely based upon the convictions of those persons responsibly connected with an approved privately operated quarantine facility for sheep or goats if, after issuance of a complaint and upon receipt of notification from the Administrator of the denial or withdrawal, the operator of the approved quarantine facility enters into a consent agreement with the Administrator, in which it is agreed that the responsibly connected person identified in the notification shall not ever be associated with the approved quarantine facility and the operator complies with the provisions of the agreement. Violation of the consent agreement shall constitute independent grounds for

[16] The name and address of the Veterinarian in Charge of any State are available from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

withdrawal of approval of an approved quarantine facility.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67615, Dec. 30, 1994; 60 FR 13898, Mar. 15, 1995; 61 FR 17239, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

§ 93.435 Sheep and goats.

(a) Except as provided in paragraph (b) of this section, all sheep and goats imported into the United States must be placed in a flock or herd in the United States that participates in the Voluntary Scrapie Flock Certification Program (see 9 CFR part 54, subpart B) and:

(1) The flock or herd qualifies as a ''Certified'' flock or herd; or

(2) The flock or herd owner has agreed, in writing, to maintain the flock or herd in compliance with all requirements of the Voluntary Scrapie Flock Certification Program until the flock or herd qualifies as a ''Certified'' flock or herd.

(b) The following sheep and goats are not subject to paragraph (a) of this section:

(1) Goats intended for importation from Australia, Canada, or New Zealand;

(2) Goats intended for importation from any region other than Australia, Canada, or New Zealand, provided that such goats have not had any contact with sheep during the 5 years immediately prior to shipment, in accordance with § 93.405(b)(2)(ii);

(3) Sheep intended for importation from Australia, Canada, or New Zealand, provided that none of the female sheep in the flock from which the sheep will be imported has been impregnated, during the 5 years immediately preceding shipment of the sheep to the United States, with germ plasm from a region other than Australia, Canada, New Zealand, or the United States, in accordance with § 93.405(c)(3);

(4) Wethers;

(5) Sheep or goats imported for immediate slaughter; and

(6) Wild sheep or goats imported for exhibition purposes to an approved zoological park in accordance with § 93.404(c).

(c) Sheep or goats may be imported under paragraph (a) of this section only if the importer provides the Voluntary Scrapie Flock Certification Program identification number of the receiving flock or herd as part of the application for an import permit.

(d) Sheep and goats may be imported under paragraph (a)(1) of this section only if they come from a flock or herd in the region of origin that participates in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, and the flock or herd has been determined by the Administrator to be at a level equivalent to ''Certified'' in the Voluntary Scrapie Flock Certification Program.

(e) Sheep and goats may be imported under paragraph (a)(2) of this section only if they are placed in a Certifiable Class C flock or herd participating in the Voluntary Scrapie Flock Certification Program; *except,* that if the sheep and goats come from a flock or herd in the region of origin that participates in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, then the sheep and goats may be placed in a herd or flock in the United States which would be classified at a level equivalent to or lower (i.e., at a greater risk) than the certification level, as determined by the Administrator, of the flock or herd from which the sheep or goats are to be imported.

(f) Sheep and goats imported under paragraph (a)(2) of this section must be monitored for scrapie disease until the flock or herd qualifies as a ''Certified'' flock or herd.

(g) Except for imported sheep and goats placed in Certifiable Class C flocks or herds, the certificate accompanying sheep or goats imported under paragraph (a) of this section must contain the following statement: ''The animals identified on this certificate have been monitored by a salaried veterinary officer of [*name of country of origin*], for [*number of months*], in the same source flock or herd which had been determined by the Administrator, APHIS, prior to the exportation of these animals to the United States, to be equivalent to [*certification level*] of

the Voluntary Scrapie Flock Certification Program authorized under 9 CFR part 54, subpart B.''

(1) The Administrator will determine, based upon information supplied by the importer, whether the flock or herd from which the animals are to be imported participates in a program in the country of origin that is equivalent to the Voluntary Scrapie Flock Certification Program, and if so, at what level the source flock or herd should be classified.

(2) In order for the Administrator to make a determination, the importer must supply the following information with the application for an import permit no less than 1 month prior to the anticipated date of importation:

(i) The name, title, and address of a knowledgeable official in the veterinary services of the region of origin;

(ii) The details of scrapie control programs in the region of origin, including information on disease surveillance and border control activities and the length of time such activities have been in effect;

(iii) Any available information concerning additions, within the 5 years immediately preceding shipment to the United States, to the flock or herd from which the sheep and goats will be imported;

(iv) Any available data concerning disease incidence, within the 5 years immediately preceding shipment to the United States, in the flock or herd from which the sheep or goats are to be imported, including, but not limited to, the results of diagnostic tests, especially histopathology tests, conducted on any animals in the flock or herd;

(v) Information concerning the health, within the 5 years immediately preceding shipment to the United States, of other ruminants, flocks, and herds with which the imported sheep and goats, and with which animals in the sheep or goats' flock or herd might have had physical contact, and a description of the type and frequency of such physical contact; and

(vi) Any other information requested by the Administrator in specific cases as needed to make a determination.

(Approved by the Office of Management and Budget under control numbers 0579–0040 and 0579–0101)

[61 FR 17240, Apr. 19, 1996. Redesignated and amended at 62 FR 56012, 56019, Oct. 28, 1997]

Subpart E—Swine

§ 93.500 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this title to perform functions specified in parts 1, 2, 3, and 11 of subchapter A, and subchapters B, C, and D of this chapter, and to perform functions required by cooperative state-federal disease control and eradication programs.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

APHIS representative. A veterinarian or other individual employed by the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the services required by this part.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Immediate slaughter. Consignment directly from the port of entry to a recognized slaughtering establishment[1] and slaughter thereat within two weeksfrom the date of entry.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Port veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Recognized slaughtering establishment.[2] An establishment where slaughtering operations are regularly carried on under federal or state inspection and which has been approved by the Animal and Plant Health Inspection Service to receive animals for slaughter under this part.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.);

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Ruminants. All animals which chew the cud, such as cattle, buffaloes, sheep, goats, deer, antelopes, camels, llamas and giraffes.

Swine. The domestic hog and all varieties of wild hogs.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

Veterinary Services. The Veterinary Services unit of the Department.

Zoological park. A professionally operated zoo, park, garden or other place, maintained under the constant surveillance of a Doctor of Veterinary Medicine, for the exhibition of live animals, pigeons or birds, for the purpose of public recreation or education.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.501 General prohibitions; exceptions.

(a) No swine or product subject to the provisions of this part shall be brought into the United States except in accordance with the regulations in this part and part 94 of this subchapter;[3] nor shall any such swine or product be handled or moved after physical entry into the United States before final release from quarantine or any other form of governmental detention except in compliance with such regulations; *Provided,* That, except as prohibited by section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), the Administrator may upon request in specific cases permit swine or products to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b) Except for swine prohibited entry by section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), the provisions in this part 93 relating to swine shall not apply to healthy swine in transit through the United States if they are not known to be infected with or exposed, within 60 days preceding the date of export from the region of origin, to communicable diseases of such swine, if an import permit[4] has been obtained under §93.504 of this Chapter and all conditions therein are

[1] The name of recognized slaughtering establishments approved under this part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

[2] The name of recognized slaughtering establishments approved under this part may be obtained from the Area Veterinarian in Charge, Veterinary Services, for the State of destination of the shipment.

[3] Importations of certain animals from various countries are absolutely prohibited under part 94 because of specified diseases.

[4] Such permit may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Requests for approval of such facilities should also be made to the Administrator.

observed; and if such swine are handled as follows:

(1)(i) They are maintained under continuous confinement in transit through the United States aboard an aircraft, ocean vessel, or other means of conveyance; or

(ii) They are unloaded, in the course of such transit, into a swine holding facility which is provided by the carrier or its agent and has been approved[5] in advance by the Administrator in accordance with paragraph (d)(3) of this section as adequate to prevent the spread within the United States of any livestock or poultry disease, and they are maintained there under continuous confinement until loaded aboard a means of conveyance for transportation from the United States and are maintained under continuous confinement aboard such means of conveyance until it leaves the United States; the import permit will specify any additional conditions necessary to assure that the transit of the swine through the United States can be made without endangering the livestock or poultry of the United States, and that Department inspectors may inspect the swine on board such means of conveyance or in such holding facility as provided in section 5 of the Act of July 2, 1962 (21 U.S.C. 134d) to ascertain whether the requirements of this paragraph are met, and dispose of them in accordance with section 2 of the Act of July 2, 1962 (21 U.S.C. 134a) if such conditions are not met; and

(2) The carrier or its agent executes and furnishes to the collector of Customs at the first port of arrival a declaration stating that the swine will be retained aboard such means of conveyance or in an approved holding facility during transshipment as required by this paragraph.

(3) Provisions for the approval of facilities required in this paragraph are:

(i) They must be sufficiently isolated to prevent direct or indirect contact with all other animals and birds while in the United States.

(ii) They must be so constructed that they provide adequate protection against environmental conditions and can be adequately cleaned, washed and disinfected.

(iii) They must provide for disposal of swine carcasses, manure, bedding, waste and any related shipping materials in a manner that will prevent dissemination of disease.

(iv) They must have provisions for adequate sources of feed and water and for attendants for the care and feeding of swine in the facility.

(v) They must comply with additional requirements as may be imposed by the Administrator if deemed applicable for a particular shipment.

(vi) They must also comply with all applicable local, State and Federal requirements for environmental quality and with the provisions of the Animal Welfare Regulations in chapter I of this title, as applicable.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67615, Dec. 30, 1994. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.502 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.

(a) *Inspection:* All aircraft and other means of conveyance (including shipping containers thereon) moving into the United States from any foreign region are subject to inspection without a warrant by properly identified and designated inspectors to determine whether they are carrying any animal, carcass, product or article regulated or subject to disposal under any law or regulation administered by the Secretary of Agriculture for prevention of the introduction or dissemination of any communicable animal disease (21 U.S.C. 134d).

(b) *Unloading requirements:* Whenever in the course of any such inspection at any port in the United States the inspector has reason to believe that the means of conveyance or container is contaminated with material of animal (including poultry) origin, such as, but not limited to, meat, organs, glands, extracts, secretions, fat, bones, blood, lymph, urine, or manure, so as to present a danger of the spread of any communicable animal disease, the inspector may require the unloading of the means of conveyance and the

[5] See footnote 4 to subpart E.

emptying of the container if he or she deems it necessary to enable him or her to determine whether the means of conveyance or container is in fact so contaminated. The principal operator of the means of conveyance and his or her agent in charge of the means of conveyance shall comply with any such requirement under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(c) *Cleaning and disinfection:* Whenever, upon inspection under this section, an inspector determines that a means of conveyance or shipping container is contaminated with material of animal origin so as to present a danger of the spread of any communicable animal disease, he or she shall notify the principal operator of the means of conveyance or his or her agent in charge, of such determination and the requirements under this section. The person so notified shall cause the cleaning and disinfection of such means of conveyance and container under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(d) For purposes of this section, the term ''shipping container'' means any container of a type specially adapted for use in transporting any article on the means of conveyance involved.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.503 Ports designated for the importation of swine.

(a) *Air and ocean ports.* The following ports have APHIS inspection and quarantine facilities necessary for quarantine stations and all swine shall be entered into the United States through these stations, except as provided in paragraphs (b), (c), (d), (e), and (f) of this section: Los Angeles, California; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York.

(b) *Canadian border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of swine from Canada: Eastport, Idaho; Houlton and Jackman, Maine; Detroit, Port Huron, and Sault Ste. Marie, Michigan; Baudette, Minnesota; Opheim, Raymond, and Sweetgrass, Montana; Alexandria Bay, Buffalo, and Champlain, New York; Dunseith, Pembina, and Portal, North Dakota; Derby Line and Highgate Springs, Vermont; Blaine, Lynden, Oroville, and Sumas, Washington.

(c) *Mexican border ports.* The following land border ports are designated as having the necessary inspection facilities for the entry of swine from Mexico: Brownsville, Hidalgo, Laredo, Eagle Pass, Del Rio, Presidio, and El Paso, Texas; Douglas, Naco, Nogales, Sasabe, and San Luis, Arizona; Calexico and San Ysidro, California; and Antelope Wells, and Columbus, New Mexico.

(d) *Special ports.* Charlotte Amalie, St. Thomas, and Christiansted, St. Croix, in the United States Virgin Islands, are hereby designated as quarantine stations for the entry of swine from the British Virgin Islands into the United States Virgin Islands for immediate slaughter.

(e) *Limited ports.* The following ports are designated as having inspection facilities for the entry of swine and swine products such as swine test specimens which do not appear to require restraint and holding inspection facilities: Anchorage and Fairbanks, Alaska; San Diego, California; Jacksonville, St. Petersburg-Clearwater, and Tampa, Florida; Atlanta, Georgia; Chicago, Illinois; New Orleans, Louisiana; Portland, Maine; Baltimore, Maryland; Boston, Massachusetts; Minneapolis, Minnesota; Great Falls, Montana; Portland, Oregon; San Juan, Puerto Rico; Memphis, Tennessee (no live animals); Galveston and Houston, Texas; and Seattle, Spokane, and Tacoma, Washington.

(f) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

[55 FR 31495, Aug. 2, 1990, as amended at 58 FR 38283, July 16, 1993; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995. Redesignated at 62 FR 56012, Oct. 28, 1997, as amended at 64 FR 23179, Apr. 30, 1999]

§93.504 Import permits for swine and for swine specimens for diagnostic purposes; and reservation fees for space at quarantine facilities maintained by APHIS.

(a) *Application for permit; reservation required.* (1) For swine and swine test specimens for diagnostic screening purposes, intended for importation from any part of the world, except as otherwise provided for in §§93.516 and 93.520, the importer shall first apply for and obtain from APHIS an import permit. The application shall specify the name and address of the importer; the species, breed, number or quantity of swine or swine test specimens to be imported; the purpose of the importation; individual swine identification which includes a description of the swine, name, age, markings, if any, registration number, if any, and tattoo or eartag; the region of origin; the name and address of the exporter; the port of embarkation in the foreign region; the mode of transportation, route of travel, and the port of entry in the United States; the proposed date of arrival of the swine or swine test specimens to be imported; and the name of the person to whom the swine or swine test specimens will be delivered and the location of the place in the United States to which delivery will be made from the port of entry. Additional information may be required in the form of certificates concerning specific diseases to which the swine are susceptible, as well as vaccinations or other precautionary treatments to which the swine or swine test specimens have been subjected. Notice of any such requirements will be given to the applicant in each case.

(2) An application for permit to import will be denied for domestic swine from any region where it has been declared, under section 306 of the Act of June 17, 1930, that foot-and-mouth disease or rinderpest has been determined to exist, except as provided in §93.522.

(3) An application for permit to import swine may also be denied because of: Communicable disease conditions in the area or region of origin, or in a region where the shipment has been or will be held or through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned regions; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the swine; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; or any other circumstances which the Administrator believes require such denial to prevent the dissemination of any communicable disease of livestock or poultry into the United States.

(4)(i) The importer or importer's agent shall pay or ensure payment of a reservation fee for each lot of swine to be quarantined in a facility maintained by USDA. For swine the reservation fee shall be 100 percent of the cost of providing care, feed, and handling during quarantine, as estimated by the quarantine facility's veterinarian in charge.

(ii) At the time the importer or the importer's agent requests a reservation of quarantine space, the importer or importer's agent shall pay the reservation fee by check or U.S. money order or ensure payment of the reservation fee by an irrevocable letter of credit from a commercial bank (the effective date on such letter of credit shall run to 30 days after the date the swine are scheduled to be released from quarantine); except that anyone who issues a check to the Department for a reservation fee which is returned because of insufficient funds shall be denied any further request for reservation of a quarantine space until the outstanding amount is paid.

(iii) Any reservation fee paid by check or U.S. money order shall be applied against the expenses incurred for services received by the importer or importer's agent in connection with the quarantine for which the reservation was made. Any part of the reservation fee which remains unused after being applied against the expenses incurred for services received by the importer or the importer's agent in connection with the quarantine for which the reservation was made, shall be returned to the individual who paid the reservation fee. If the reservation fee is

ensured by a letter of credit, the Department will draw against the letter of credit unless payment for services received by the importer or importer's agent in connection with the quarantine is otherwise made at least 3 days prior to the expiration date of the letter of credit.

(iv) Any reservation fee shall be forfeited if the importer or the importer's agent fails to present for entry, within 24 hours following the designated time of arrival the lot of swine for which the reservation was made: *Except* that a reservation fee shall not be forfeited if:

(A) Written notice of cancellation from the importer or the importer's agent is received by the office of the veterinarian in charge of the quarantine facility [6] during regular business hours (8:00 a.m. to 4:30 p.m. Monday through Friday, excluding holidays) no later than 15 days prior to the beginning of the time of importation as specified in the import permit or as arranged with the veterinarian in charge of the quarantine facility if no import permit is required (the 15 day period shall not include Saturdays, Sundays, or holidays), or

(B) The Administrator determines that services, other than provided by carriers, necessary for the importation of the swine within the requested period are unavailable because of unforeseen circumstances as determined by the Administrator, (such as the closing of an airport due to inclement weather or the unavailability of the reserved space due to the extension of another quarantined.)

(v) If the reservation fee was ensured by a letter of credit and the fee is to be forfeited under paragraph (a)(4)(iv) of this section, the Department will draw against the letter of credit unless the reservation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(vi) When a reservation is cancelled in accordance with paragraph (a)(4)(iv)(A) of this section and the provisions of paragraph (a)(4)(iv)(B) of this section do not apply, a $40.00 cancellation fee shall be charged. If a reservation fee was paid, the cancellation fee shall be deducted from any reservation fee returned to the importer or the importer's agent. If the reservation fee was ensured by a letter of credit, the Department will draw the amount of the cancellation fee against the letter of credit unless the cancellation fee is otherwise paid at least 3 days prior to the expiration date of the letter of credit.

(b) *Permit.* When a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to insure that the shipper presents the copy of the permit to the carrier and makes proper arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs. Swine and swine test specimens for diagnostic screening purposes for swine intended for importation into the United States for which a permit has been issued, will be received at the specified port of entry within the time prescribed in the permit which shall not exceed 14 days from the first day that the permit is effective for all permits. Swine and swine test specimens for which a permit is required by these regulations will not be eligible for entry if a permit has not been issued; if unaccompanied by such a permit; if shipment is from any port other than the one designated in the permit; if arrival in the United States is at any port other than the one designated in the permit; if the swine or swine test specimens offered for entry differ from those described in the permit; if the swine or swine test specimens are not handled as outlined in the application for the permit and as specified in the permit issued; or if ruminants or swine other than those covered by import permits are aboard the transporting carrier.

(c) *Wild swine from regions where foot-and-mouth disease or rinderpest exists.* This paragraph (c) applies to the importation of wild swine from countries

[6] The addresses of USDA quarantine facilities may be found in telephone directories listing the facilities or by contacting the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

designated in part 94 of this subchapter as regions in which foot-and-mouth disease or rinderpest exist.

(1) Permits for the importation of wild swine will be issued only for importations through the Port of New York, and only if the animals are imported for exhibition in a PEQ Zoo. A PEQ Zoo is a zoological park or other place maintained for the exhibition of live animals for recreational or educational purposes that:

(i) Has been approved by the Administrator in accordance with paragraph (c)(2) of this section to receive and maintain imported wild swine; and

(ii) Has entered into the agreement with APHIS set forth in paragraph (c)(4) of this section for the maintenance and handling of imported wild swine.

(2) Approval of a PEQ Zoo shall be on the basis of an inspection, by an authorized representative of the Department, of the physical facilities of the establishment and its methods of operation. Standards for acceptable physical facilities shall include satisfactory pens, cages, or enclosures in which the imported swine can be maintained so as not to be in contact with the general public and free from contact with domestic livestock; natural or established drainage from the PEQ Zoo which will avoid contamination of land areas where domestic livestock are kept or with which domestic livestock may otherwise come in contact; provision for the disposition of manure, other wastes, and dead swine within the PEQ Zoo; and other reasonable facilities considered necessary to prevent the dissemination of diseases from the PEQ Zoo. The operator of the PEQ Zoo shall have available the services of a full-time or part-time veterinarian, or a veterinarian on a retainer basis, who shall make periodic examinations of all animals maintained at the PEQ Zoo for evidence of disease; who shall make a post-mortem examination of each animal that dies; and who shall make a prompt report of suspected cases of contagious or communicable diseases to appropriate state or federal livestock sanitary officials.

(3) Manure and other animal wastes must be disposed of within the PEQ Zoo park for a minimum of one year following the date an imported wild swine enters the zoo. If an APHIS veterinarian determines that an imported swine shows no signs of any communicable disease during this 1-year period, its manure and other wastes need not be disposed of within the zoo after the 1-year period. If, however, an APHIS veterinarian determines that the swine does show signs of any communicable disease during this 1-year period, an APHIS veterinarian will investigate the disease and determine whether the swine's manure and other wastes may safely be disposed of outside the zoo after the 1-year period has ended.

(4) Prior to the issuance of an import permit under this section, the operator of the approved PEQ Zoo to which the imported swine are to be consigned, and the importer of the swine, if such operator and importer are different parties, shall execute an agreement covering each swine or group of swine for which the import permit is requested. The agreement shall be in the following form:

AGREEMENT FOR THE IMPORTATION, QUARANTINE AND EXHIBITION OF CERTAIN WILD RUMINANTS AND WILD SWINE

_____, operator(s) of the zoological park known as _____ (Name) located at _____ (City and state), and _____ (Importer) hereby request a permit for the importation of _____ (Number and kinds of animals) for exhibition purposes at the said zoological park, said animals originating in a region where foot-and-mouth disease or rinderpest exists and being subject to restrictions under regulations contained in part 93, title 9, Code of Federal Regulations.

In making this request, it is understood and agreed that:

1. The animals for which an import permit is requested will be held in isolation at a port of embarkation in the region of origin, approved by the Administrator as a port having facilities which are adequate for maintaining wild animals in isolation from all other animals and having veterinary supervision by officials of the region of origin of the animals. Such animals will be held in such isolation for not less than 60 days under the supervision of the veterinary service of that region to determine whether the animals show any clinical evidence of foot-and-mouth disease, rinderpest, or other communicable disease that is exotic to the United

States or for which APHIS has an eradication or control program in 9 CFR chapter I, and to assure that the animals will not have been exposed to such a disease within the 60 days next before their exportation from that region.

2. Shipment will be made direct from such port of embarkation to the port of New York as the sole port of entry in this region. If shipment is made by ocean vessel, the animals will not be unloaded in any foreign port en route. If shipment is made by air, the animals will not be unloaded at any port or other place of landing, except at a port approved by the Administrator as a port not located in a region where rinderpest or foot-and-mouth disease exists or as a port in such a region having facilities and inspection adequate for maintaining wild animals in isolation from all other animals.

3. No ruminants or swine will be aboard the transporting vehicle, vessel or aircraft, except those for which an import permit has been issued.

4. The animals will be quarantined for not less than 30 days in the Department's Animal Import Center in Newburgh, New York.

5. Upon release from quarantine the animals will be delivered to the zoological park named in this agreement to become the property of the park and they will not be sold, exchanged or removed from the premises without the prior consent of APHIS. If moved to another zoological park in the United States, the receiving zoological park must be approved by the Administrator in accordance with paragraph 6 of this agreement.

6. The Administrator will approve the movement of an imported animal subject to this agreement if the Administrator determines that the animal has spent at least one year in quarantine in a PEQ Zoo following importation without showing clinical evidence of foot-and-mouth disease, rinderpest, or other communicable disease that is exotic to the United States or for which APHIS has an eradication or control program in 9 CFR chapter I, and determines that the receiving zoological park is accredited by the American Zoo and Aquarium Association (AZA), or the receiving zoological park has facilities and procedures in place related to preventing the spread of communicable animal diseases (including but not limited to procedures for animal identification, record keeping, and veterinary care) that are equivalent to those required for AZA accreditation. The Administrator will approve the movement of a carcass, body part, or biological specimen derived from an imported animal subject to this agreement if the Administrator determines that the animal has spent at least one year in quarantine in a PEQ Zoo following importation without showing clinical evidence of foot-and-foot mouth disease, rinderpest, or other communicable disease that is exotic to the United States or for which APHIS has an eradication or control program in 9 CFR chapter I, and determines that the carcass, body part, or biological specimen will be moved only for scientific research or museum display purposes.

_____
(Signature of importer)

Subscribed and sworn to before me this _____ day of _____, _____.

_____
(Title or designation)

_____
(Name of zoological park)

By _____
(Signature of officer of zoological park)

_____
(Title of officer)

Subscribed and sworn to before me this _____ day of _____, _____.

_____
(Title or designation)

(Approved by the Office of Management and Budget under control number 0579–0040.)

[55 FR 31495, Aug. 2, 1990 as amended at 59 FR 28216, June 1, 1994; 59 FR 31924, June 21, 1994; 59 FR 67615, Dec. 30, 1994; 62 FR 23638, May 1, 1997. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.505 Certificate for swine.

(a) All swine offered for importation from any part of the world except as provided in §93.517 shall be accompanied by a certificate of a salaried veterinary officer of the national government of the region of origin, or if exported from Mexico, shall be accompanied either by such a certificate or by a certificate issued by a veterinarian accredited by the National Government of Mexico and endorsed by a full–time salaried veterinary officer of the National Government of Mexico, thereby representing that the veterinarian issuing the certificate was authorized to do so, stating that such swine have been kept in said region at least 60 days immediately preceding the date of movement therefrom and that said region during such period has been entirely free from foot-and-mouth disease, rinderpest, contagious pleuropneumonia, and surra: *Provided, however,* That certificates for wild swine for exhibition purposes need specify freedom from the said diseases of the district of origin only: *And provided further,* That in the case of swine the certificate, as far as it relates to

contagious pleuropneumonia, may specify freedom from such disease of the district of origin only. For domestic swine, the certificate shall also show that the entire region of origin is free of hog cholera, African swine fever, and swine vesicular disease and that for 60 days immediately preceding the time of movement from the premises of origin no swine erysipelas or swine plague has existed on such premises or on adjoining premises.

(b) If swine are unaccompanied by the certificate as required by paragraph (a) of this section, or if such swine are found upon inspection at the port of entry to be affected with a communicable disease or to have been exposed thereto, they shall be refused entry and shall be handled thereafter in accordance with the provisions of section 8 of the Act of August 30, 1890 (26 Stat. 416; 21 U.S.C. 103), or quarantined, or otherwise disposed of as the Administrator may direct.

[55 FR 31495, Aug. 2, 1990, as amended at 57 FR 28081, June 24, 1992. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§93.506 Declaration and other documents for swine.

(a) The certificates, declarations, and affidavits required by the regulations in this part shall be presented by the importer or his or her agent to the collector of customs at the port of entry, upon arrival of swine at such port, for the use of the veterinary inspector at the port of entry.

(b) For all swine offered for importation, the importer or his or her agent shall first present two copies of a declaration which shall list the port of entry, the name and address of the importer, the name and address of the broker, the origin of the swine, the number, breed, species, and purpose of the importation, the name of the person to whom the swine will be delivered, and the location of the place to which such delivery will be made.

§93.507 Inspection at the port of entry.

(a) Inspection shall be made at the port of entry of all swine imported from any part of the world except as provided in §93.519. All swine found to be free from communicable disease and not to have been exposed thereto within 60 days prior to their exportation to the United States shall be admitted subject to the other provisions in this part; all other swine shall be refused entry. Swine refused entry, unless exported within a time fixed in each case by the Administrator, and in accordance with other provisions he or she may require in each case for their handling shall be disposed of as the Administrator may direct in accordance with provisions of section 2 of the Act of July 2, 1962 (21 U.S.C. 134a), or the provisions of section 8 of the Act of August 30, 1890 (21 U.S.C. 103). Such portions of the transporting vessel, and of its cargo, which have been exposed to any such swine or their emanations shall be disinfected in such manner as may be considered necessary by the inspector in charge at the port of entry, to prevent the introduction or spread of livestock or poultry disease, before the cargo is allowed to land.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§93.508 Articles accompanying swine.

No litter or manure, fodder or other aliment, nor any equipment such as boxes, buckets, ropes, chains, blankets, or other things used for or about swine governed by the regulations in this part, shall be landed from any conveyance except under such restrictions as the inspector in charge at the port of entry shall direct.

§93.509 Movement from conveyances to quarantine station.

Platforms and chutes used for handling imported swine shall be cleaned and disinfected under APHIS supervision after being so used. The said swine shall not be unnecessarily moved over any highways nor allowed to come in contact with other swine, but shall be transferred from the conveyance to the quarantine grounds in boats, cars, or vehicles approved by the inspector in charge at the port of entry. Such cars, boats, or vehicles shall be cleaned and disinfected under APHIS supervision immediately after such use, by the carrier moving the same. The railway cars so used shall be either cars reserved for this exclusive use or box cars

not otherwise employed in the transportation of swine or their fresh products. When movement of the aforesaid swine upon or across a public highway is unavoidable, it shall be under such careful supervision and restrictions as the inspector in charge at the port of entry and the local authorities may direct.

§ 93.510 Quarantine requirements.

Swine shall be quarantined for not less than 15 days, counting from the date of arrival at the port of entry. During their quarantine, wild swine shall be subject to such inspections, disinfection, blood tests, or other tests as may be required by the Administrator, to determine their freedom from disease and the infection of disease.

§ 93.511 Swine quarantine facilities.

(a) *Privately operated quarantine facilities.* The importer, or his or her agent, of swine subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the privately operated quarantine facility and for the care, feed, and handling of the swine from the time of unloading at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The quarantine facility must be suitable for the quarantine of such swine and must be approved by the Administrator prior to the issuance of any import permit. The facilities occupied by swine should be kept clean and sanitary to the satisfaction of the inspector assigned to supervise the quarantine. If for any cause the care, feed, or handling of swine, or the sanitation of the facilities, is neglected, in the opinion of the inspector assigned to supervise the quarantine, such services may be furnished by APHIS in the same manner as though arrangements had been made for such services as provided by paragraph (b) of this section, and/or the swine may be disposed of as the Administrator, may direct, including sale in accordance with the procedure described in paragraph (b) of this section. The importer, or his or her agent, shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS for damages which may arise from such services. The Administrator, may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services required. Payment for all services received by the importer, or his or her agent, in connection with each separate lot of swine shall be made by certified check or U.S. money order prior to release of the swine. If such payment is not made, the swine may be sold in accordance with the procedure described in paragraph (b) of this section, or otherwise disposed of as directed by the Administrator.

(b) *Quarantine facilities maintained by APHIS.* The importer, or his or her agent, of swine subject to quarantine under the regulations in this part shall arrange for acceptable transportation to the quarantine facility, and for the care, feed, and handling of the swine from the time they arrive at the quarantine facility, and for the care, feed, and handling of the swine from the time they arrive at the quarantine port to the time of release from quarantine. Such arrangements shall be agreed to in advance by the Administrator. The importer or his or her agent shall request in writing such inspection and other services as may be required, and shall waive all claim against the United States and APHIS or any employee of APHIS, for damages which may arise from such services. All expenses resulting therefrom or incident thereto shall be the responsibility of the importer; APHIS assumes no responsibility with respect thereto. The Administrator may prescribe reasonable rates for the services provided under this paragraph. When it is found necessary to extend the usual minimum quarantine period, the importer, or his or her agent, shall be so advised in writing and shall pay for such additional quarantine and other services

required. Payment for services received by the importer, or his or her agent, in connection with each separate lot of swine shall be made by certified check or U.S. money order prior to release of the swine. If such payment is not made, the swine may be sold in accordance with the procedure described in this paragraph or otherwise disposed of as directed by the Administrator. When payment is not made and the swine are to be sold to recover payment for services received, the importer, or his or her agent, will be notified by the inspector that if said charges are not immediately paid or satisfactory arrangements made for payment, the swine will be sold at public sale to pay the expense of care, feed, and handling during that period. The sale will be held after the expiration of the quarantine period, at such time and place as may be designated by the General Services Administration or other designated selling agent. The proceeds of the sale, after deducting the charges for care, feed, and handling of the swine and other expenses, including the expense of the sale, shall be held in a Special Deposit Account in the United States Treasury for 6 months from the date of sale. If not claimed by the importer, or his or her agent, within 6 months from the date of sale, the amount so held shall be transferred from the Special Deposit Account to the General Fund Account in the United States Treasury.

(c) Amounts collected from the importer, or his or her agent, for service rendered shall be deposited so as to be available for defraying the expenses involved in this service.

§ 93.512 Quarantine stations, visiting restricted; sales prohibited.

Visitors shall not be admitted to the quarantine enclosure during any time that swine are in quarantine except that an importer (or his or her accredited agent or veterinarian) may be admitted to the yards and buildings containing his or her quarantined swine at such intervals as may be deemed necessary, and under such conditions and restrictions as may be imposed, by the inspector in charge of the quarantine station. On the last day of the quarantine period, owners, officers or registry societies, and others having official business or whose services may be necessary in the removal of the swine may be admitted upon written permission from the said inspector. No exhibition or sale shall be allowed within the quarantine grounds.

§ 93.513 Milk from quarantined swine.

Milk or cream from swine quarantined under the provisions of this part shall not be used by any person other than those in charge of such swine, nor be fed to any animals other than those within the same enclosure, without permission of the inspector in charge of the quarantine station and subject to such restrictions as he or she may consider necessary to each instance. No milk or cream shall be removed from the quarantine premises except in compliance with all State and local regulations.

§ 93.514 Manure from quarantined swine.

No manure shall be removed from the quarantine premises until the release of the swine producing same.

§ 93.515 Appearance of disease among swine in quarantine.

If any contagious disease appears among swine during the quarantine period special precautions shall be taken to prevent spread of the infection to other animals in the quarantine station or to those outside the grounds. The affected swine shall be disposed of as the Administrator may direct, depending upon the nature of the disease.

CANADA[7]

§ 93.516 Import permit and declaration for swine.

(a) For swine intended for importation from Canada, the importer shall first apply for and obtain from APHIS an import permit as provided in § 93.504: *Provided,* That an import permit is not required for swine offered for entry at a land border port designated in § 93.503(b) if such swine:

[7] Importations from Canada shall be subject to §§ 93.516 to 93.519, inclusive, in addition to other sections in this part which are in terms applicable to such importations.

(1) Was born in Canada or the United States, and has been in no region other than Canada or the United States, or

(2) Has been legally imported into Canada from some other region and unconditionally released in Canada so as to be eligible to move freely within that region without restriction of any kind and has been in Canada after such release for 60 days or longer.

(b) For all swine offered for importation from Canada, the importer or his or her agent shall present two copies of a declaration as provided in § 93.506.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.517 Swine from Canada.

(a) *For purposes other than immediate slaughter.* Swine offered for importation from Canada for purposes other than immediate slaughter shall be accompanied by a certificate issued or endorsed by a salaried veterinarian of the Canadian Government showing that said swine have been inspected on the premises of origin immediately before the date of movement therefrom and found to be free of evidence of communicable disease and that, as far as it has been possible to determine, they were not exposed to any such disease during the preceding 60 days; in addition, the certificate shall show that no hog cholera or swine plague has existed on the premises of origin or on adjoining premises for such 60 days.

(b) *For immediate slaughter.* Swine for immediate slaughter may be imported from Canada without certification as prescribed in paragraph (a) of this section but shall be subject to the provisions of §§ 93.507, 93.516, and 93.518.

[55 FR 34195, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.518 Swine from Canada for immediate slaughter.

Swine imported from Canada for immediate slaughter shall be consigned from the port of entry directly to a recognized slaughtering establishment and there be slaughtered within two weeks from the date of entry. As used in this section, ''directly'' means without unloading en route if moved in a means of conveyance, or without stopping if moved in any other manner.

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 28216, June 1, 1994. Redesignated at 62 FR 56012, Oct. 28, 1997]

§ 93.519 Special provisions.

(a) *In-bond shipments from Canada.* (1) Swine from Canada transported in-bond through the United States for immediate export shall be inspected at the border port of entry and, when accompanied by an import permit obtained under § 93.504 of this part and all conditions therein are observed, shall be allowed entry into the United States and shall be otherwise handled as provided in paragraph (b) of § 93.501. Swine not accompanied by a permit shall meet the requirements of this part in the same manner as swine destined for importation into the United States, except that the Administrator may permit their inspection at some other point when he or she finds that such action will not increase the risk that communicable diseases of livestock and poultry will be disseminated to the livestock or poultry of the United States.

(2) *In-transit shipments through Canada.* Swine originating in the United States and transported directly through Canada may re-enter the United States without Canadian health or test certificates when accompanied by copies of the United States export health certificates properly issued and endorsed in accordance with regulations in part 91 of this chapter: *Provided,* That, to qualify for entry, the date, time, port of entry, and signature of the Canadian Port Veterinarian that inspected the swine for entry into Canada shall be recorded on the United States health certificate, or a paper containing the information shall be attached to the certificate that accompanies the swine. In all cases it shall be determined by the veterinary inspector at the United States port of entry that the swine are the identical swine covered by said certificate.

(b) *Exhibition swine.* Swine from the United States which have been exhibited at the Royal Agricultural Winter

Fair at Toronto or other publicly recognized expositions in Canada, including racing, rodeo, circus, or stage exhibitions in Canada, and have not been in that region for more than 90 days are eligible for return to the United States without Canadian health or test certificates, if they are accompanied by copies of the United States health certificate, issued and endorsed in accordance with the export regulations contained in Part 91 of this chapter for entry into Canada: *Provided,* That all swine offered for re-entry upon examination by the veterinary inspector at the U.S. port of entry, are found by the inspector to be free of communicable diseases and exposure thereto and are determined to be the identical swine covered by said certificates or are the natural increase of such swine born after official test dates certified on the dam's health certificate.

(Approved by the Office of Management and Budget under control number 0579–0020)

[55 FR 31495, Aug. 2, 1990, as amended at 59 FR 67133, Dec. 29, 1994. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

CENTRAL AMERICA AND WEST INDIES[8]

§93.520 Import permit and declaration for swine.

For all swine offered for importation from countries of Central America or of the West Indies, the importer or his or her agent shall present two copies of a declaration as provided in §93.506.

[55 FR 34195, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

MEXICO[9]

§93.521 Declaration for swine.

For all swine offered for importation from Mexico, the importer or his or her agent shall present two copies of a declaration as provided in §93.506.

[55 FR 34195, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

[8] Importations from regions of Central America and the West Indies shall be subject to §§93.520 to 93.522 inclusive, in addition to other sections in this part, which are in terms applicable to such importations.

[9] Importations from Mexico shall be subject to §93.521, in addition to other sections in this subpart, which are in terms applicable to such importations.

Subpart F—Dogs

§93.600 Dogs for handling livestock.

Collie, Shepherd, and other dogs imported from any part of the world except Canada, Mexico, and regions of Central America and the West Indies which are to be used in the handling of sheep or other livestock, shall be inspected and quarantined at the port of entry for a sufficient time to determine their freedom from the tapeworm, *Taenia coenurus.* If found to be infested with such tapeworm they shall be properly treated under the supervision of a veterinary inspector at the port of entry until they are free from the infestation.

[55 FR 34195, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

Subpart G—Miscellaneous Animals

SOURCE: 60 FR 55181, unless otherwise noted. Redesignated at 62 FR 56012, Oct. 28, 1997.

§93.700 Definitions.

Wherever in this subpart the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

Brushtail possum. Vulpine phalangers (*Trichosurus vulpecula*) of the family Phalangeridae.

Delivery. The transfer of goods or interest in goods from one person to another.

Enter (entry). To introduce into the commerce of the United States after release from government detention.

Hedgehog. All members of the family Erinaceidae.

Import (imported, importation). To bring into the territorial limits of the United States.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Person. Any individual, corporation, company, association, firm, partnership, society, or joint stock company.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Tenrec. All members of the family Tenrecidae.

United States. All of the States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other territories and possessions of the United States.

[55 FR 34195, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56020, Oct. 28, 1997]

§ 93.701 Prohibitions.

(a) No person may import a hedgehog or tenrec into the United States from any region designated in §94.1 of this chapter as a region where foot-and-mouth disease exists.

(b) No person may import a brushtail possum or hedgehog into the United States from New Zealand.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 56012, 56021, Oct. 28, 1997]

§ 93.702 Restrictions.

Hedgehogs and tenrecs not specifically prohibited from being imported under §93.701 may be imported into the United States only in accordance with the regulations in this subpart.

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§ 93.703 Ports designated for importation.

(a) Any person importing a hedgehog or tenrec into the United States may import it, except as provided in paragraph (b) of this section, only through the following ports:

(1) *Air and ocean ports.* Anchorage and Fairbanks, AK; San Diego and Los Angeles, CA; Denver, CO; Jacksonville, Miami, St. Petersburg-Clearwater, and Tampa, FL; Atlanta, GA; Honolulu, HI; Chicago, IL; New Orleans, LA; Portland, ME; Baltimore, MD; Boston, MA; Minneapolis, MN; Great Falls, MT; Newburgh, NY; Portland, OR; San Juan, PR; Galveston and Houston, TX; and Seattle, Spokane, and Tacoma, WA.

(2) *Canadian border ports.* Eastport, ID; Houlton and Jackman, ME; Detroit, Port Huron, and Sault Ste. Marie, MI; Opheim, Raymond, and Sweetgrass, MT; Alexandria Bay, Buffalo, and Champlain, NY; Dunseith, Pembina, and Portal, ND; Derby Line and Highgate Springs, VT; Blaine, Lynden, Oroville, and Sumas, WA.

(3) *Mexican border ports.* Douglas, Naco, Nogales, Sasabe, and San Luis, AZ; Calexico and San Ysidro, CA; Antelope Wells, and Columbus, NM; and Brownsville, Hidalgo, Laredo, Eagle Pass, Del Rio, Presidio, and El Paso, TX.

(b) The Secretary of the Treasury has approved the designation, as inspection stations, of the ports specified in paragraph (a) of this section. In special cases, the Administrator may designate other ports as inspection stations in accordance with this section, with the concurrence of the Secretary of the Treasury.

§ 93.704 Import permit.

(a) *General requirements.* No person may import a hedgehog or tenrec into the United States unless it is accompanied by an import permit issued by APHIS and is imported into the United States within 30 days after the proposed date of arrival stated in the import permit. The importer or his or her agent must notify the inspector at the port of first arrival of the date of arrival at least 72 hours before the hedgehog or tenrec arrives in the United States.

(b) *Import permit required.* Any person who desires to import a hedgehog or tenrec must complete and submit one copy of an application (VS Form 17–129) for an import permit to the Import-Export Animals Staff, National Center for Import-Export, Veterinary Services, Animal and Plant Health Inspection Service, United States Department of Agriculture, 4700 River Road Unit 39, Riverdale, Maryland 20737–1231. This staff will supply application forms for import permits upon request. A separate application must be prepared for each shipment.

(c) *Application for an import permit.* The importer must complete, sign, and date the application for an import permit, which must include the following information:

(1) The name and address of the shipper in the region of origin of the hedgehog or tenrec intended for importation into the United States.

(2) The name, address, and telephone number of the importer.

(3) The port of embarkation.

(4) The region from which the hedgehog or tenrec will be shipped to the United States.

(5) The mode of transportation.

(6) The number, breed, species, and descriptions of the hedgehogs or tenrecs to be imported.

(7) The purpose of the importation.

(8) The route of travel, including all carrier stops en route.

(9) The proposed shipping and arrival dates.

(10) The port of first arrival in the United States.

(11) The name, mailing address, and telephone number of the person to whom the hedgehog or tenrec will be delivered in the United States.

(12) The location of the place where delivery will be made in the United States.

(13) Any remarks regarding the shipment.

(d) *Issuance of an import permit.* Upon receipt of the application, APHIS will review the application. If the hedgehog or tenrec appears to be eligible to be imported into the United States, APHIS will issue an import permit indicating the applicable requirements under this subpart for the importation of the hedgehog or tenrec. Even though an import permit has been issued for the importation of a hedgehog or tenrec, the animal may enter the United States only if all other applicable requirements of this subpart have been met.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§93.705 Health certificate.

(a) No person may import a hedgehog or tenrec into the United States unless it is accompanied by a health certificate either issued by a full-time salaried veterinary officer of the national government of the exporting region or issued by a veterinarian authorized or accredited by the national government of the exporting region and endorsed by a full-time salaried veterinary officer of the national government of that region. The health certificate must contain the names and street addresses of the consignor and consignee and must state:

(1) That the hedgehog or tenrec originated in a region that has been recognized as free of foot-and-mouth disease by the USDA;

(2) That the hedgehog or tenrec has never been in a region where foot-and-mouth disease exists;

(3) That the hedgehog or tenrec has not been commingled with any other hedgehog or tenrec that originated in or has ever been in a region where foot-and-mouth disease exists;

(4) That the hedgehog or tenrec was inspected by the individual issuing the health certificate and was found free of any ectoparasites not more than 72 hours before being loaded on the means of conveyance which transported the animal to the United States;

(5) That all body surfaces of the hedgehog or tenrec were treated for ectoparasites under the supervision of the veterinarian issuing the health certificate at least 3 days but not more than 14 days before being loaded on the means of conveyance that transported the animal to the United States;

(6) That the pesticide and the concentration used would kill the types of ectoparasites that may infest the animal to be imported;

(7) That the hedgehog or tenrec, after being treated for ectoparasites in accordance with paragraphs (a)(5) and (a)(6) of this section, had physical contact only with, or shared a pen or bedding materials only with, treated hedgehogs or tenrecs in the same shipment to the United States; and

(8) The name and concentration of the pesticide used to treat the hedgehog or tenrec.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31495, Aug. 2, 1990. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§ 93.706 Notification of arrival.

Upon the arrival of a hedgehog or tenrec at the port of first arrival in the United States, the importer or his or her agent must present the import permits and health certificates required by this subpart to the collector of customs for the use of the inspector at that port.

§ 93.707 Inspection at the port of first arrival.

(a) A hedgehog or tenrec from any part of the world must be inspected by an APHIS inspector at the port of first arrival. Subject to the other provisions in this subpart, a shipment of hedgehogs or tenrecs may enter the United States only if each hedgehog or tenrec in the shipment is found free of ectoparasites and any clinical signs of communicable diseases.

(b) If any hedgehog or tenrec in a shipment is found to be infested with ectoparasites or demonstrates any clinical signs of communicable diseases, then the entire shipment will be refused entry. The importer will be given the following options:

(1) Remove the shipment from the United States; or

(2) Release the shipment to the U.S. Department of Agriculture. The Administrator will destroy or otherwise dispose of the shipment as necessary to prevent the possible introduction into the United States of communicable animal diseases.

Subpart H—Elephants, Hippopotami, Rhinoceroses, and Tapirs

§ 93.800 Definitions.

The following terms, when used in this part, shall be construed as defined. Those terms used in the singular form in this part shall be construed as the plural form and vice versa, as the case may demand.

Accredited veterinarian. A veterinarian approved by the Administrator in accordance with part 161 of this chapter to perform functions specified in parts 1, 2, 3, and 11 of this chapter, and subchapters B, C, and D of this chapter; and to perform functions required by cooperative State-Federal disease control and eradication programs.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

APHIS representative. A veterinarian or other person employed by APHIS in animal health activities, who is authorized to perform the function involved.

Enter (entered, entry) into the United States. To introduce into the commerce of the United States after release from government detention.

Import (imported, importation) into the United States. To bring into the territorial limits of the United States.

Incinerate (incinerated). To reduce to ash by burning.

Inspector. An employee of APHIS who is authorized to perform the function involved.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or any other legal entity.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

United States. All of the several States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other territories and possessions of the United States.

United States health certificate. An official document issued by an APHIS representative or an accredited veterinarian at the point of origin of a movement of animals. It must show the identification tag, tattoo, or registration number of each animal to be moved; the age and sex of each animal to be moved; the number of animals covered by the document; the points of origin and destination; the consignor; and the consignee.

Veterinary Services. The Veterinary Services unit of the Animal and Plant Health Inspection Service of the United States Department of Agriculture.

[52 FR 29502, Aug. 10, 1987, as amended at 57 FR 23048, 23049, June 1, 1992. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§93.801 Prohibitions.

Elephants, hippopotami, rhinoceroses, or tapirs shall not be imported or entered into the United States unless in accordance with this part.

[52 FR 29502, Aug. 10, 1987. Redesignated at 62 FR 56012, Oct. 28, 1997]

§93.802 Import permit.

(a) An elephant, hippopotamus, rhinoceros, or tapir shall not be imported into the United States unless accompanied by an import permit issued by APHIS and unless imported into the United States within 30 days after the proposed date of arrival stated in the import permit. The port veterinarian must be notified of the date of arrival at least 72 hours before the animal arrives in the United States.

(b) An application for an import permit must be submitted to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. pplication forms for import permits may be obtained from this staff.

(c) The completed application shall include the following information:

(1) The name and address of the person intending to export an elephant, hippopotamus, rhinoceros, or tapir to the United States;

(2) The name and address of the person intending to import an elephant, hippopotamus, rhinoceros, or tapir into the United States;

(3) The species, breed, and number of elephants, hippopotami, rhinoceroses, or tapirs to be imported;

(4) The purpose of the importation;

(5) The port of embarkation;

(6) The name and concentration of the pesticide intended to be used to treat the elephant, hippopotamus, rhinoceros, or tapir for ectoparasites prior to the animal being transported to the United States;

(7) The mode of transportation;

(8) The route of travel;

(9) The port of entry in the United States and, if applicable, the address of the facility to be provided by the importer for inspection, treatment, and incineration pursuant to §93.6 of this part;

(10) The proposed date of arrival in the United States; and

(11) The name and address of the person to whom the elephant, hippopotamus, rhinoceros, or tapir will be delivered in the United States.

(d) After receipt and review of the application by APHIS, an import permit indicating the applicable conditions under this part for importation into the United States shall be issued for the importation of the elephant, hippopotamus, rhinoceros, or tapir described in the application if such animal appears to be eligible to be imported. Even though an import permit has been issued for the importation of an elephant, hippopotamus, rhinoceros, or tapir, the animal may be imported only if all applicable requirements of this part are met.

[52 FR 29502, Aug. 10, 1987, as amended at 57 FR 23049, June 1, 1992; 59 FR 67615, Dec. 30, 1994. Redesignated at 62 FR 56012, Oct. 28, 1997]

§ 93.803 Health certificate.

(a) An elephant, hippopotamus, rhinoceros, or tapir shall not be imported into the United States unless accompanied by a health certificate either signed by a salaried veterinarian of the national veterinary services of the region where the inspection and treatment required by this section occurred or signed by a veterinarian authorized by the national veterinary services of such region and endorsed by a salaried veterinarian of the national veterinary services of such region (the endorsement representing that the veterinarian signing the health certificate was authorized to do so), certifying:

(1) That the elephant, hippopotamus, rhinoceros, or tapir was inspected by the individual signing the health certificate and found free of any ectoparasites not more than 72 hours before being loaded on the means of conveyance which transported the animal to the United States; and

(2) That the elephant, hippopotamus, rhinoceros, or tapir was treated for ectoparasites at least 3 days but not more than 14 days before being loaded on the means of conveyance which transported the animal to the United States. The animal shall have been treated, under the supervision of the individual signing the health certificate, by being thoroughly wetted with a pesticide applied with either a sprayer with a hand-held nozzle, a spray-dip machine, or a dip vat; and

(3) That the elephant, hippopotamus, rhinoceros, or tapir, after being treated for ectoparasites in accordance with paragraph (a)(2) of this section, did not have physical contact with or share a pen or bedding materials with any elephant, hippopotamus, rhinoceros, or tapir not in the same shipment to the United States; and

(4) The name and concentration of the pesticide used to treat the animal (such pesticide and the concentration used must be adequate to kill the types of ectoparasites likely to infest the animal to be imported; a list of recommended pesticides and concentrations may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231; and

(5) The name and address of the consignor and consignee.

[52 FR 29502, Aug. 10, 1987; 52 FR 35350, Sept. 18, 1987, as amended at 57 FR 23049, June 1, 1992; 59 FR 67615, Dec. 30, 1994. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§ 93.804 Declaration upon arrival.

Upon arrival of an elephant, hippopotamus, rhinoceros, or tapir at a port of entry, the importer or the importer's agent shall notify APHIS of the arrival by giving an inspector a completed VS Form 17–29, ''Declaration of Importation for Animals, Animal Semen, Birds, Poultry, and Eggs for Hatching.'' (This form is available from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.) It must state:

(a) The port of entry;

(b) The date of arrival;

(c) The import permit number;

(d) The name of the carrier and identification of the means of conveyance;

(e) The name and address of the importer;

(f) The name and address of the broker;

(g) The region from which the elephant, hippopotamus, rhinoceros, or tapir was shipped;

(h) The number, species, and purpose of importation of the elephant, hippopotamus, rhinoceros, or tapir; and

(i) The name and address of the person to whom the elephant, hippopotamus, rhinoceros, or tapir will be delivered.

[52 FR 29502, Aug. 10, 1987; 52 FR 35350, Sept. 18, 1987, as amended at 57 FR 23049, June 1, 1992; 59 FR 67615, Dec. 30, 1994. Redesignated and amended at 62 FR 56012, 56021, Oct. 28, 1997]

§ 93.805 Ports of entry, inspection, and treatment.[1]

(a) An elephant, hippopotamus, rhinoceros, or tapir shall be imported into the United States only:

[1] Importers must also meet all requirements of the U.S. Department of the Interior regulations relevant to the importation of

(1) At Los Angeles, California; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York; or

(2) On a case-by-case basis, at another port of entry if:

(i) The animals will be inspected and treated at a facility provided by the importer;

(ii) The Administrator has determined that the importer's facility is adequate for inspection, treatment, and incineration required under this section;

(iii) The Administrator has determined that an inspector is available to perform at the importer's facility the services that are required under this section; and

(iv) The Administrator has determined that an inspector is available to perform at the port of entry the services that are required under this section if the animals will be inspected and treated at a facility provided by the importer.

(b) An elephant, hippopotamus, rhinoceros, or tapir shall be entered into the United States only under the following conditions:

(1) Any documents accompanying the animal shall be subject to inspection by an inspector at the port of entry;

(2) If the animal is to be moved from the port of entry to a facility provided by the importer:

(i) At the port of entry the animal shall be subject to as much inspection by an inspector as is feasible and shall be sprayed or dipped, as feasible, under the supervision of an inspector and with a permitted dip listed in §72.13(b) of this chapter;

(ii) At the port of entry, as much hay, straw, feed, bedding, and other material as can feasibly be removed from the shipping crate or vehicle containing the animal shall be removed, sealed in plastic bags, and incinerated by the importer under the supervision of an inspector;

(iii) At the port of entry, the shipping crate or the vehicle containing the animal shall be sealed by an inspector with an official seal of the United States Department of Agriculture:

(iv) If the animal is moved from the port of entry in a shipping crate, plastic must be fastened around the shipping crate so that all animal waste, hay, straw, feed, bedding, and other material accompanying the animal are retained inside the crate, but not so as to interefere with ventilation, feeding, and watering of the animal;

(v) After the arrival of the animal at the facility provided by the importer, the seal shall be broken by an inspector;

(3) The animal shall be inspected by an inspector within 24 hours of being unloaded at the port of entry or at a facility provided by the importer, and shall be treated under the supervision of an inspector, as follows:

(i) The animal shall be removed from its shipping crate or cargo hold, placed on a concrete or other nonporous surface, and physically inspected for ectoparasites by an inspector. If inspection and treatment are not performed upon unloading, the animal must be isolated from all other animals, except those in the same shipment, and kept in a facility with a nonporous floor and where any ectoparasites that may drop off the animal can be contained and destroyed, until the animal has been inspected and treated;

(ii) If the inspector finds no ectoparasites, the animal shall be sprayed or dipped one time in accordance with label instructions with a permitted dip listed in §72.13(b) of this chapter; or

(iii) If the inspector finds ectoparasites, the animal shall be sprayed or dipped in accordance with label instructions with a permitted dip listed in §72.13(b) of this chapter for as many times as necessary until the inspector finds no ectoparasites; and thereafter the animal shall be sprayed or dipped one additional time in accordance with label instructions with a permitted dip listed in §72.13(b) of this chapter;

(4) All hay, straw, feed, bedding, and other material that has been placed with the animal at any time prior to the final treatment referred to in paragraph (b)(3) of this section, and any plastic sheet used to wrap any shipping crate, shall be sealed in plastic bags

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elephants, hippopotami, rhinoceroses, and tapirs, including regulations concerning ports of entry.

and incinerated under the supervision of an inspector;

(5) Any shipping crate shall be, under the supervision of an inspector, either cleaned and disinfected using a disinfectant listed in §71.10 of this chapter or incinerated; and if the shipping crate is cleaned and disinfected, it shall then be treated under the supervision of an inspector with a permitted dip listed in §72.13(b) of this chapter;

(6) Any means of conveyance used to transport an animal not in a shipping crate shall be, under the supervision of an inspector, cleaned and disinfected using a disinfectant listed in §71.10 of this chapter and then treated with a permitted dip listed in §72.13(b) of this chapter.

[52 FR 29502, Aug. 10, 1987, as amended at 57 FR 23049, June 1, 1992. Redesignated at 62 FR 56012, Oct. 28, 1997]

§ 93.806 Animals refused entry.

Any elephant, hippopotamus, rhinoceros, or tapir refused entry into the United States for noncompliance with the requirements of this part shall be removed from the United States within a time period specified by the Administrator or shall be considered abandoned by the importer, and pending removal or abandonment, the animal shall be subject to such safeguards as the inspector determines necessary to prevent the possible introduction of ectoparasites into the United States. If such animal is not removed from the United States within such time period or is abandoned, it may be seized, destroyed, or otherwise disposed of as the Administrator determines necessary to prevent the possible introduction of ectoparasites into the United States.

[52 FR 29502, Aug. 10, 1987, as amended at 57 FR 23049, June 1, 1992. Redesignated at 62 FR 56012, Oct. 28, 1997]

§ 93.807 Other importations.

(a) Elephants, hippopotami, rhinoceroses, and tapirs are exempt from the regulations in this part under the following circumstances:

(1) They are imported from Canada and are accompanied by a document signed by a salaried veterinarian of the Canadian Government that states:

(i) They were not imported into Canada during the year preceding their importation into the United States; and

(ii) They did not, during the year preceding their importation into the United States, have physical contact with or share a pen or bedding materials with any elephant, hippopotamus, rhinoceros, or tapir imported into Canada during that year; or

(2) They were exported into Canada from the United States and then imported back into the United States accompanied by a United States health certificate.

(b) Notwithstanding other provisions in this part, the Administrator may in specific cases allow the importation and entry of elephants, hippopotami, rhinoceroses, or tapirs into the United States other than as provided for in this part under such conditions as the Administrator may prescribe to prevent the introduction of ectoparasites into the United States.

(Approved by the Office of Management and Budget under control number 0579–0020)

[52 FR 29502, Aug. 10, 1987; 52 FR 35350, Sept. 18, 1987, as amended at 57 FR 23049, June 1, 1992; 59 FR 67133, Dec. 29, 1994. Redesignated at 62 FR 56012, Oct. 28, 1997, as amended at 64 FR 23179, April 30, 1999]

PART 94—RINDERPEST, FOOT-AND-MOUTH DISEASE, FOWL PEST (FOWL PLAGUE), EXOTIC NEWCASTLE DISEASE, AFRICAN SWINE FEVER, HOG CHOLERA, AND BOVINE SPONGIFORM ENCEPHALOPATHY: PROHIBITED AND RESTRICTED IMPORTATIONS

Sec.

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94.11 Restrictions on importation of meat and other animal products from specified regions.
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94.13 Restrictions on importation of pork or pork products from specified regions.
94.14 Swine from regions where swine vesicular disease exists; importations prohibited.
94.15 Animal products and materials; movement and handling.
94.16 Milk and milk products.
94.17 Dry-cured pork products from regions where foot-and-mouth disease, rinderpest, African swine fever, hog cholera, or swine vesicular disease exists.
94.18 Restrictions on importation of meat and edible products from ruminants due to bovine spongiform encephalopathy.
94.19 Gelatin derived from horses or swine, or from ruminants that have not been in any region where bovine spongiform encephalopathy exists.
94.20 Importation of pork from Sonora, Mexico.
94.21 Restrictions on importation of beef from Argentina.

AUTHORITY: 7 U.S.C. 147a, 150ee, 161, 162, and 450; 19 U.S.C. 1306; 21 U.S.C. 111, 114a, 134a, 134b, 134c, 134f, 136, and 136a; 31 U.S.C. 9701; 42 U.S.C. 4331 and 4332; 7 CFR 2.22, 2.80, and 371.2(d).

§94.0 Definitions.

As used in this part, the following terms shall have the meanings set forth in this section.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service, of the United States Department of Agriculture (APHIS.)

APHIS representative. An individual employed by Animal and Plant Health Inspection Service, United States Department of Agriculture, who is authorized to perform the function involved.

Authorized inspector. Any employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, or any other individual who is authorized by the Administrator to enforce this part.

Birds. All members of the class Aves (other than poultry or game birds).

Cervid. All species of deer, elk, and moose.

Cold spot. The area in a flexible plastic cooking tube or other type of container loaded with meat product, or the areas at various points along the belt in an oven chamber, slowest to reach the required temperature during the cooking process. The cold spot(s) for each container is experimentally determined before the cooking process begins, and once identified, remains constant.

Contact. Known or potential commingling of products during processing or storage, or while being transported from any point to any other point. Contact includes the simultaneous processing in the same room, locker, or container, but not necessarily the same storage facility or conveyance, as long as adequate security measures are taken to prevent commingling, as determined by an authorized APHIS representative.

Container. For the purposes of §94.1(c) and §94.16(c), this term means a receptacle, sometimes refrigerated, which is designed to be filled with cargo, sealed, and then moved, without unsealing or unloading, aboard a variety of different transporting carriers.

Department. The United States Department of Agriculture (USDA, Department).

Exotic Newcastle disease (END). Any velogenic Newcastle disease. Exotic Newcastle disease is an acute, rapidly spreading, and usually fatal viral disease of birds and poultry.

Flock of origin. The flock in which the eggs were produced.

FSIS inspector. An individual authorized by the Administrator, Food Safety and Inspection Service, United States Department of Agriculture, to perform the function involved.

Game birds. Migratory birds, including certain ducks, geese, pigeons, and doves (''migratory'' refers to seasonal flight to and from the United States); free-flying quail, wild grouse, wild pheasants (as opposed to those that are commercial, domestic, or pen-raised).

House. A structure, enclosed by walls and a roof, in which poultry are raised.

Immediate export. The period of time determined by APHIS, based on shipping routes and timetables, to be the shortest practicable interval of time between the arrival in the United States of an incoming carrier and the departure from the United States of an outgoing carrier, to transport a consignment of products.

Import (imported, importation) into the United States. To bring into the territorial limits of the United States.

Indicator piece. A cube or slice of meat to be used for the pink juice test, required to meet minimum size specifications.

Operator. The operator responsible for the day-to-day operations of a facility.

Pink juice test. Determination of whether meat has been thoroughly cooked by observation of whether the flesh and juices have lost all red and pink color.

Port of arrival. Any place in the United States at which a product or article arrives, unless the product or article remains on the means of conveyance on which it arrived within the territorial limits of the United States.

Poultry. Chickens, turkeys, swans, partridges, guinea fowl, pea fowl; nonmigratory ducks, geese, pigeons, and doves; commercial, domestic, or pen-raised grouse, pheasants, and quail.

Premises of origin. The premises where the flock of origin is kept.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Region of origin. For meat and meat products, the region in which the animal from which the meat or meat products were derived was born, raised and slaughtered; and for eggs, the region in which the eggs were laid.

Ruminants. All animals that chew the cud, such as cattle, buffaloes, sheep, goats, deer, antelopes, camels, llamas and giraffes.

Salmonella enteritidis. Salmonella enteritidis serotype *enteritidis,* an organism that causes salmonellosis.

Salmonella enteritidis, phage-type 4. A virulent type of *Salmonella enteritidis* serotype *enteritidis.*

Salmonellosis. An infectious disease caused by species of *Salmonella* bacteria.

Sentinel bird. A chicken that has been raised in an environment free of pathogens that cause communicable diseases of poultry and that has not been infected with, exposed to, or immunized with any strain of virus that causes Newcastle disease.

Temperature indicator device (TID). A precalibrated temperature-measuring instrument containing a chemical compound activated at a specific temperature (the melting point of the chemical compound) identical to the processing temperature that must be reached by the meat being cooked. The Administrator will approve a TID for use after determining that the chemical compound in the device is activated at the specific temperature required.

Thoroughly cooked. Heated sufficiently to inactivate any pathogen that may be present, as indicated by the required TID or pink juice test.

United States. The several states, the District of Columbia, Puerto Rico, the Virgin Islands of the United States, Guam, the Northern Mariana Islands, or any other territory or possession of the United States, except as provided in § 94.5 of this part.

Veterinarian in Charge. The veterinary official of the Animal and Plant Health Inspection Service, United States Department of Agriculture, who is assigned by the Administrator to supervise and perform the official animal health work of the Animal and Plant Health Inspection Service in the State or area concerned.

Wild swine. Any swine which are allowed to roam outside an enclosure.

[52 FR 33801, Sept. 8, 1987, as amended at 53 FR 48520, Dec. 1, 1988; 54 FR 7393, Feb. 21, 1989; 54 FR 14794, Apr. 13, 1989; 54 FR 31504, July 31, 1989; 55 FR 38982, Sept. 24, 1990; 57 FR 43886, Sept. 23, 1992; 59 FR 13185, Mar. 21, 1994; 61 FR 56891, Nov. 5, 1996; 62 FR 56021, Oct. 28, 1997]

§94.1 Regions where rinderpest or foot-and-mouth disease exists; importations prohibited.

(a) Notice is hereby given that, in accordance with section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), it has been determined, and official notice has been given to the Secretary of the Treasury that:

(1) Except as provided in §94.21, rinderpest or foot-and-mouth disease exists in all regions of the world, except those listed in paragraph (a)(2) or (a)(3) of this section;

(2) The following regions are declared to be free of both rinderpest and foot-and-mouth disease: Australia, Austria, The Bahamas, Barbados, Belgium, Bermuda, British Honduras (Belize), Canada, Channel Islands, Chile, Costa Rica, Czech Republic, Denmark, Dominican Republic, El Salvador, Fiji, Finland, France, Germany, Great Britain (England, Scotland, Wales, and Isle of Man), Greenland, Guatemala, Haiti, Honduras, Hungary, Iceland, Ireland, Italy, Jamaica, Japan, Luxembourg, Mexico, The Netherlands, New Caledonia, New Zealand, Nicaragua, Northern Ireland, Norway, Panama, Papua New Guinea, Poland, Portugal, Republic of Korea, Spain, Territory of St. Pierre and Miquelon, Sweden, Switzerland, Trinidad and Tobago, Trust Territory of the Pacific Islands, and Uruguay.

(3) The following regions are declared to be free of rinderpest: Greece.

(b) The importation of any ruminant or swine or any fresh (chilled or frozen) meat of any ruminant or swine[1] that originates in any region where rinderpest or foot-and-mouth disease exists, as designated in paragraph (a) of this section, or that enters a port in or otherwise transits a region in which rinderpest or foot-and-mouth disease exists, is prohibited: (1) Except as provided in part 92 of this chapter for wild ruminants and wild swine; (2) except as provided in paragraph (c) of this section for meat of ruminants or swine that originates in regions free of rinderpest and foot-and-mouth disease but that enters a port or otherwise transits a region where rinderpest or foot-and-mouth disease exists; and (3) except as provided in §94.4 of this part for cooked or cured meat from regions where rinderpest or foot-and-mouth disease exists.

(c) Except as otherwise provided in this part, fresh (chilled or frozen) meat of ruminants or swine raised and slaughtered in a region free of foot-and-mouth disease and rinderpest, as designated in paragraph (a)(2) of this section, which during shipment to the United States enters a port or otherwise transits a region where rinderpest or foot-and-mouth disease exists may be imported provided that all of the following conditions are met:

(1) The meat is accompanied by the foreign meat inspection certificate required by §327.4 of this title and, upon arrival of the meat in the United States, the foreign meat inspection certificate is presented to an authorized inspector at the port of arrival;

(2) The meat is placed in the transporting carrier in a hold, compartment, or, if the meat is containerized, in a container that which was sealed in the region of origin by an official of such region with serially numbered seals approved by APHIS, so as to prevent contact of the meat with any other cargo, handling of the meat after the hold, compartment, or container is sealed, and the loading of any cargo into and the removal of any cargo from the sealed hold, compartment, or container en route to the United States;

(3) If any foreign official breaks a seal applied in the region of origin in order to inspect the meat, he or she then reseals the hold, compartment, or container with a new serially numbered seal; and, if any member of a ship's crew breaks a seal, the serial number of the seal, the location of the seal, and the reason for breaking the seal are recorded in the ship's log.

[1] Importation of animals and meat includes bringing the animals or meat within the territorial limits of the United States on a means of conveyance for use as sea stores or for other purposes.

(4) The serial numbers of the seals used to seal the hold, compartment, or container are recorded on the foreign meat inspection certificate which accompanies the meat;

(5) Upon arrival of the carrier in the United States port of arrival, the seals are found by an APHIS representative to be intact, and the representative finds that there is no evidence indicating that any seal has been tampered with; *Provided that,* if the representative finds that any seal has been broken or has a different number than is recorded on the foreign meat inspection certificate, then the meat may remain eligible for entry into the United States only if APHIS personnel are available to inspect the hold, compartment, or container, the packages of meat, and all accompanying documentation; and the importer furnishes additional documentation (either copies of pages from the ship's log signed by the officer-in-charge, or certification from a foreign government that the original seal was removed and the new seal applied by officials of that government) that demonstrates to the satisfaction of the Administrator that the meat was not contaminated or exposed to contamination during movement from the region of origin to the United States; and

(6) The meat is found by an authorized inspector to be as represented on the foreign meat inspection certificate.

(Approved by the Office of Management and Budget under control number 0579–0015)

[30 FR 12118, Sept. 23, 1965]

EDITORIAL NOTE: For Federal Register citations affecting §94.1, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§94.1a Criteria for determining the separate status of a territory or possession as to rinderpest and foot-and-mouth disease.

(a) The Secretary of Agriculture will make a determination as to whether a territory or possession may be deemed separate from the mother region, in which rinderpest or foot-and-mouth disease has been determined to exist, for the purposes of section 306(a) of the Act of June 17, 1930, as amended (19 U.S.C. 1306(a)), only if:

(1) The official authority of that territory or possession, having responsibility for animal health matters, has declared such territory or possession free of rinderpest and foot-and-mouth disease;

(2) The territory or possession is geographically separate from the mother region and has full autonomy from the mother region in all animal health matters, including import and export;

(3) The territory or possession has a veterinary service which is capable of speedily detecting rinderpest or foot-and-mouth disease and which is comprised of veterinarians who:

(i) Are employed as officials of the government of the territory or possession,

(ii) Are graduates of a recognized school of veterinary medicine, and

(iii) Are assigned in sufficient numbers and are so distributed, with respect to the livestock population, to be able to promptly recognize the existence of rinderpest and foot-and-mouth disease;

(4) A laboratory capable of diagnosing rinderpest and foot-and-mouth disease is available to the veterinary service of the territory or possession;

(5) Vaccinations for foot-and-mouth disease or rinderpest are not permitted in the territory or possession;

(6) The reporting of rinderpest or foot-and-mouth disease to the veterinary authorities of the territory or possession is required by anyone who has notice of the existence of these diseases;

(7) Laws and regulations are in effect and are administered in such manner as to insure against the introduction of foot-and-mouth disease or rinderpest through the importation of animals, meat, and animal products from regions, including the mother region, declared by the United States Secretary of Agriculture to be regions where foot-and-mouth disease or rinderpest exist;

(8) Animals introduced into the territory or possession from rinderpest or foot-and-mouth disease infected regions, including the mother region, are imported through a quarantine station and under conditions acceptable to the Secretary of Agriculture of the United States, and such conditions include, but are not restricted to:

(i) Tests deemed necessary for the detection of rinderpest and foot-and-mouth disease,

(ii) Quarantine deemed necessary for the detection of rinderpest and foot-and-mouth disease, and

(iii) Opportunity for observation by a United States Department of Agriculture veterinarian during all phases of the import procedures;

(b) An on-site inspection by a veterinary representative of the United States Department of Agriculture to determine whether the criteria in this section are met shall be made of the territory or possession before any final determination is made as to its status.

[39 FR 13069, Apr. 11, 1974, as amended at 62 FR 56021, Oct. 28, 1997]

§ 94.2 Fresh (chilled or frozen) products (other than meat), and milk and milk products of ruminants and swine.

(a) The importation of fresh (chilled or frozen) products (other than meat and milk and milk products) derived from ruminants or swine, originating in, shipped from, or transiting any region designated in § 94.1(a) as a region infected with rinderpest or foot-and-mouth disease is prohibited, except as provided in § 94.3 and parts 95 and 96 of this chapter.

(b) The importation of milk and milk products of ruminants and swine originating in, shipped from, or transiting any region designated in § 94.1(a) as a region infected with rinderpest or foot-and-mouth disease is prohibited, except as provided in § 94.16.

[40 FR 44123, Sept. 25, 1975, as amended at 62 FR 56022, Oct. 28, 1997]

§ 94.3 Organs, glands, extracts, or secretions of ruminants or swine.

The importation of fresh (chilled or frozen) organs, glands, extracts, or secretions derived from ruminants or swine, originating in any region where rinderpest or foot-and-mouth disease exists, as designated in § 94.1, except for pharmaceutical or biological purposes under conditions prescribed by the Administrator in each instance, is prohibited.

[28 FR 5980, June 13, 1963, as amended at 53 FR 48520, Dec. 1, 1988; 62 FR 56022, Oct. 28, 1997; 63 FR 67574, Dec. 8, 1998]

§ 94.4 Cured or cooked meat from regions where rinderpest or foot-and-mouth disease exists.

(a) Except for cured beef from Argentina that meets the requirements for the importation of fresh, chilled or frozen, beef as provided in § 94.21, the importation of cured meats derived from ruminants or swine, originating in any region where rinderpest or foot-and-mouth disease exists, as designated in § 94.1, is prohibited unless the following conditions have been fulfilled:

(1) All bones shall have been completely removed in the region of origin.

(2) The meat shall have been held in an unfrozen, fresh condition for at least 3 days immediately following the slaughter of the animals from which it was derived.

(3)(i) The meat shall have been thoroughly cured and fully dried in such manner that it may be stored and handled without refrigeration, as in the case of salami and other summer sausages, tasajo, xarque, or jerked beef, bouillon cubes, dried beef, and Westphalia, Italian and similar type hams. The term ''fully dried'' as used in this paragraph means dried to the extent that the water-protein ratio in the wettest portion of the product does not exceed 2.25 to 1.

(ii) Laboratory analysis of samples to determine the water-protein ratios will not be made in the case of all shipments of cured and dried meats. However, in any case in which the inspector is uncertain whether the meat complies with the requirements of paragraph (a)(3)(i) of this section, he will send a sample of the meat representative of the wettest portion to the Meat Inspection Division for analysis of the water-protein ratio. Pending such analysis the meat shall not be released or removed from the port of arrival.

(4) The cured meat shall be accompanied by a certificate issued by an official of the national government of the region of origin who is authorized to issue the foreign meat inspection certificate required by § 327.4 of this title, stating that such meat has been prepared in accordance with paragraphs (a)(1), (a)(2) and (a)(3)(i) of this section. Upon arrival of the cured meat in the United States, the certificate

must be presented to an authorized inspector at the port of arrival.

(b) Except for cooked beef from Argentina that meets the requirements for the importation of fresh, chilled or frozen, beef as provided in §94.21, the importation of cooked meats from ruminants or swine originating in any region where rinderpest or foot-and-mouth disease exists, as designated in §94.1, is prohibited, except as provided in this section.

(1) The cooked meat must be boneless and must be thoroughly cooked.

(2) The cooked meat must have been prepared in an establishment that is eligible to have its products imported into the United States under the Federal Meat Inspection Act (21 U.S.C. 610 *et seq.*) and the regulations in 9 CFR 327.2; must meet all other applicable requirements of the Federal Meat Inspection Act and regulations thereunder (9 CFR Chapter III); and must have been approved by the Administrator in accordance with paragraph (c) of this section.

(3) Canned product (canned meat), as defined in §318.300(d) of this chapter, is exempt from the requirements in this section.

(4) *Ground meat cooked in an oven.* Ground meat must be shaped into patties no larger than 5 inches in diameter and 1-inch thick. Each patty must weigh no more than 115 grams, with fat content no greater than 30 percent. These patties must be broiled at 210 °C for at least 133 seconds, then cooked in moist heat (steam heat) in a continuous, belt-fed oven for not less than 20 minutes, to yield an internal exit temperature of at least 99.7 °C, as measured by temperature indicator devices (TID's) placed in temperature monitor patties positioned, before the belt starts moving through the oven, on each of the predetermined cold spots along the oven belt. TID's must be used at the beginning of each processing run.

(5) *Meat cooked in plastic.* The ground meat, cubes of meat, slices of meat, or anatomical cuts of meat (cuts taken from the skeletal muscle tissue) must weigh no more than 5 kilograms, and must be loaded into a flexible cooking tube constructed of plastic film or other material approved by the Food Safety and Inspection Service, U.S. Department of Agriculture. The meat must be cooked in boiling water or in a steam-fed oven to reach a minimum internal temperature of 79.4 °C at the cold spot after cooking for at least 1.75 hours. Thoroughness of cooking must be determined by the TID registering at least 79.4 °C at the cold spot, or by the pink juice test, as follows:

(i) *Cubes of meat.* At least 50 percent of meat pieces per tube must be 3.8 centimeters or larger in each dimension after cooking or, if more than 50 percent of meat pieces per tube are smaller than 3.8 centimeters in any dimension after cooking and no TID is being used, an indicator piece of sufficient size for a pink juice test to be performed (3.8 centimeters or larger in each dimension after cooking) must have been placed at the cold spot of the tube.

(ii) *Slices of meat.* At least 50 percent of the slices of meat must be 3.8 centimeters or larger in each dimension after cooking or, if more than 50 percent of meat pieces are smaller than 3.8 centimeters in any dimension after cooking, and no TID is being used, an indicator piece of sufficient size for a pink juice test to be performed (3.8 centimeters or larger in each dimension after cooking) must be placed at the cold spot of the tube.

(iii) *Anatomical cuts of meat.* An indicator piece removed from an anatomical cut of meat after cooking must be removed from the center of the cut, farthest from all exterior points and be 3.8 centimeters or larger in each dimension for performance of the pink juice test.

(6) Any TID used in accordance with §94.4 (b)(4) or (b)(5) must remain in the meat, as originally inserted, and must accompany the cooked meat whose temperature it has gauged when that meat is shipped to the United States.

(7) The cooked meat must be accompanied by a certificate issued by an official of the national government of the region of origin, who is authorized to issue the foreign meat inspection certificate required by §317.4 of this title, stating: ''This cooked meat produced for export to the United States meets the requirements of title 9, Code of Federal Regulations, §94.4(b).'' Upon

arrival of the cooked meat in the United States, the certificate must be presented to an authorized inspector at the port of arrival.

(8) The meat is inspected by an FSIS inspector at a port of arrival in a defrost facility approved by the Administrator[2] and the meat is found to be thoroughly cooked.

(i) Request for approval of any defrost facility must be made to the Administrator. The Administrator will approve a defrost facility only under the following conditions:

(A) The defrost facility has equipment and procedures that permit FSIS inspectors to determine whether meat is thoroughly cooked;

(B) The defrost facility is located at a port of arrival; and

(C) The defrost facility is approved by the Food Safety and Inspection Service, United States Department of Agriculture.[3]

(ii) The Administrator may deny approval of any defrost facility if the Administrator determines that the defrost facility does not meet the conditions for approval. If approval is denied, the operator of the defrost facility will be informed of the reasons for denial and be given an opportunity to respond. The operator will be afforded an opportunity for a hearing with respect to any disputed issues of fact. The hearing will be conducted in accordance with rules of practice that will be adopted for the proceeding.

(iii) The Administrator may withdraw approval of any defrost facility as follows: (A) When the operator of the defrost facility notifies the Administrator in writing that the defrost facility no longer performs the required services; or (B) when the Administrator determines that the defrost facility does not meet the conditions for approval. Before the Administrator withdraws approval from any defrost facility, the operator of the defrost facility will be informed of the reasons for the proposed withdrawal and given an opportunity to respond. The operator will be afforded a hearing with respect to any disputed issues of fact. The hearing will be conducted in accordance with rules of practice that will be adopted for the proceeding. If approval of a defrost facility is withdrawn, the Administrator will remove its name from the list of approved defrost facilities.

(c) *Meat processing establishment; standards.* (1) Before the Administrator will approve a meat processing establishment for export shipment of cooked meat to the United States, the Administrator must determine:

(i) That the meat processing establishment has furnished APHIS with a description of the process used to inactivate rinderpest or FMD virus that may be present in meat intended for export to the United States, and with blueprints of the facilities where this meat is cooked and packaged;

(ii) That an APHIS representative has inspected the establishment and found that it meets the standards set forth in paragraph (c)(2) of this section;

(iii) That the operator of the establishment has signed a cooperative service agreement with APHIS, stating: (A) That all cooked meat processed for importation into the United States will be processed in accordance with the requirements of this part; (B) that a full-time, salaried meat inspection official of the National Government of the exporting region will supervise the processing (including certification of the cold spot) and examination of the product, and certify that it has been processed in accordance with this section; and (C) that APHIS personnel or other persons authorized by the Administrator may enter the establishment, unannounced, to inspect the establishment and its records; and

(iv) That the operator of the establishment has entered into a trust fund agreement with APHIS and is current in paying all costs for an APHIS representative to inspect the establishment for initial evaluation, and periodically thereafter, including travel,

[2] The names and addresses of approved defrost facilities and conditions for approval may be obtained from the Administrator, Animal and Plant Health Inspection Service, United States Department of Agriculture, Washington, DC 20250.

[3] Conditions for the approval of any defrost facility by the Food Safety and Inspection Service, United States Department of Agriculture, may be obtained from the Import Inspection Division, International Programs, Food Safety and Inspection Service, United States Department of Agriculture, Washington, DC 20250.

salary, subsistence, administrative overhead, and other incidental expenses (including an excess baggage provision up to 150 pounds). In accordance with the terms of the trust fund agreement, before the APHIS representative's site inspection, the operator of the processing establishment must deposit with the Administrator an amount equal to the approximate cost of one inspection by an APHIS representative, including travel, salary, subsistence, administrative overhead, and other incidental expenses (including an excess baggage provision up to 150 pounds). As funds from that amount are obligated, a bill for costs incurred based on official accounting records will be issued, to restore the deposit to the original level, revised as necessary to allow for inflation or other changes in estimated costs. To be current, bills must be paid within 14 days of receipt.

(2) *Establishment.* An APHIS representative will conduct an on-site evaluation, and subsequent inspections, as provided in §94.4(c)(1), to determine whether the following conditions are met:

(i) The facilities used for processing cooked meat in the meat processing establishment are separate from the facilities used for processing raw meat (precooking, boning, preparation, and curing), with only the through-the-wall cooking system through which the meat product is delivered at the end of the cooking cycle connecting them; and there is at all times a positive air flow from the cooked to the raw product side;

(ii) The cooking equipment has the capacity to cook all meat pieces in accordance with §94.4(b)(4) or (b)(5);

(iii) Workers who process cooked meat are at all times kept separate from workers who process raw meat, and have, for their exclusive use: A separate entrance, dining area, toilets, lavatories with cold and hot water, soap, disinfectants, paper towels, clothes hampers and waste baskets for disposal, and changing rooms stocked with the clean clothing and rubber boots into which all persons must change upon entering the establishment. Workers and all other persons entering the establishment must wash their hands and change into the clean clothing and boots provided in the changing rooms before entering the cooking facilities, and must leave this clothing for laundering and disinfecting before exiting from the establishment, regardless of the amount of time spent inside or away from the establishment;

(iv) Original records identifying the slaughtering facility from which the meat was obtained and the date the meat entered the meat processing establishment, and original certification (including temperature recording charts and graphs), must be kept for all cooked meat by the full-time salaried meat inspection official of the National Government of the exporting region assigned to the establishment, and must be retained for 2 years.

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[28 FR 5980, June 13, 1963, as amended at 52 FR 33801, Sept. 8, 1987; 53 FR 48520, Dec. 1, 1988; 54 FR 7393, Feb. 21, 1989; 59 FR 13186, Mar. 21, 1994; 59 FR 67134, Dec. 29, 1994; 62 FR 42900, Aug. 11, 1997; 62 FR 46180, Sept. 2, 1997; 62 FR 56022, Oct. 28, 1997; 63 FR 67575, Dec. 8, 1998]

§94.5 Regulation of certain garbage.

(a) *Garbage.* For purposes of this part, garbage means all waste material derived in whole or in part from fruits, vegetables, meats, or other plant or animal (including poultry) material, and other refuse of any character whatsoever that has been associated with any such material on board any means of conveyance, and including food scraps, table refuse, galley refuse, food wrappers or packaging materials, and other waste material from stores, food preparation areas, passengers' or crews' quarters, dining rooms, or any other areas on means of conveyance. For purposes of this subpart, garbage also means meals and other food that were available for consumption by passengers and crew on an aircraft but were not consumed.

NOTE: Not all garbage is regulated for the purposes of this part. Garbage regulated for the purposes of this part is defined as ''regulated garbage'' in paragraphs (b) and (c) of this section.

(b) *Garbage regulated because of movements outside the United States or Canada.* For purposes of this part, garbage

on or removed from a means of conveyance is regulated garbage, if, when the garbage is on or removed from the means of conveyance, the means of conveyance has been in any port outside the United States and Canada within the previous 2-year period. There are, however, two exceptions to this provision. These exceptions are as follows:

(1) *Exception 1.* Garbage on or removed from a means of conveyance other than an aircraft is exempt from requirements under paragraph (b) of this section if the following conditions are met when the garbage is on or removed from the means of conveyance:

(i) The means of conveyance is accompanied by a certificate from an inspector stating the following:

(A) That the means of conveyance had first been cleared of all garbage and of the following: All meats and meat products, whatever the region of origin, except meats that are shelf-stable; all fresh and condensed milk and cream from regions designated in 9 CFR 94.1 as those in which foot-and-mouth disease exists; all fresh fruits and vegetables; and all eggs; and the items cleared from the means of conveyance as prescribed by this paragraph have been disposed of according to the procedures for disposing of regulated garbage, as specified in paragraph (f)(1) of this section.

(B) That the means of conveyance had been cleaned and disinfected in the presence of the inspector; and

(ii) Since being cleaned and disinfected, the means of conveyance has not been in a non-Canadian foreign port.

(2) *Exception 2.* Garbage on or removed from an aircraft is exempt from requirements under paragraph (b) of this section if the following two conditions are met:

(i) The aircraft had been cleared of all garbage and all stores; and the items cleared from the aircraft as prescribed by this paragraph have been disposed of according to the procedures for disposing of regulated garbage, as specified in paragraph (f)(1) of this section.

(ii) After the garbage and stores referred to in paragraph (b)(2)(i) of this section were removed, the aircraft has not been in a non-Canadian foreign port.

(c) *Garbage regulated because of certain movements to or from Hawaii, territories, or possessions.* For purposes of this part, garbage on or removed from a means of conveyance is regulated garbage, if the means of conveyance has moved during the previous one-year period, either directly or indirectly, to the continental United States from any territory or possession or from Hawaii; to any territory or possession from any other territory or possession or from Hawaii; or to Hawaii from any territory or possession. There are, however, two exceptions to this provision. These exceptions are as follows:

(1) *Exception 1.* Garbage on or removed from a means of conveyance other than an aircraft is exempt from requirements under paragraph (c) of this section if the following two conditions are met when the garbage is on or removed from the means of conveyance:

(i) The means of conveyance is accompanied by a certificate from an inspector, stating that the means of conveyance has been cleared of all garbage and all fresh fruits and vegetables; and the items cleared from the means of conveyance as prescribed by this paragraph have been disposed of according to the procedures for disposing of regulated garbage, as specified in paragraph (f)(1) of this section.

(ii) After being cleared of the garbage and stores referred to in paragraph (c)(1)(i) of this section, the means of conveyance has not moved to the continental United States from any territory or possession or from Hawaii; to any territory or possession from any other territory or possession or from Hawaii; or to Hawaii from any territory or possession.

(2) *Exception 2.* Garbage on or removed from an aircraft is exempt from requirements under paragraph (c) of this section if the following two conditions are met when the garbage is on or removed from the means of conveyance:

(i) The aircraft had been cleared of all garbage and all fresh fruits and vegetables; and the items cleared from the aircraft as prescribed by this paragraph have been disposed of according

to the procedures for disposing of regulated garbage, as specified in paragraph (f)(1) of this section.

(ii) After the garbage and stores referred to in paragraph (c)(2)(i) of this section were removed, the aircraft has not moved to the continental United States from any territory or possession or from Hawaii; to any territory or possession from any other territory or possession or from Hawaii; or to Hawaii from any territory or possession.

(d) Garbage that is commingled with regulated garbage is also regulated garbage.

(e) *Restrictions on regulated garbage.* (1) Regulated garbage shall not be on or removed from a means of conveyance, or be disposed of, unless in accordance with the provisions of this part. (2) Regulated garbage is subject to general surveillance for compliance with this section by Animal and Plant Health Inspection Service inspectors and to such disposal measures as authorized by section 105 of the Federal Plant Pest Act (7 U.S.C. 150dd), section 10 of the Plant Quarantine Act of 1912, as amended (7 U.S.C. 164a), section 2 of the Act of February 2, 1903, as amended (21 U.S.C. 111), and section 306 of the Act of July 17, 1930, as amended (19 U.S.C. 1306), to prevent the dissemination of plant pests and livestock or poultry diseases.

(f)(1) All regulated garbage must be contained in tight, leak-proof covered receptacles during storage on board a means of conveyance while in the territorial waters, or while otherwise within the territory of the United States. All such receptacles shall be contained inside the guard rail if on a watercraft. Such regulated garbage shall not be unloaded from such means of conveyance in the United States unless such regulated garbage is removed in tight, leak-proof receptacles under the direction of an Animal and Plant Health Inspection Service inspector to an approved facility for incineration, sterilization, or grinding into an approved sewage system, under supervision by such an inspector, or such regulated garbage is removed for other handling in such manner and under such supervision as may, upon request in specific cases, be approved by the Administrator as complying with the applicable laws for environmental protection and as adequate to prevent the dissemination into or within the United States of plant pests and livestock or poultry diseases. *Provided that,* a cruise ship may dispose of regulated garbage in landfills at Alaskan ports only, if and only if the cruise ship does not have prohibited or restricted meat or animal products on board at the time it enters Alaskan waters for the cruise season, and only if the cruise ship, except for incidental travel through international waters necessary to navigate safely between ports, remains in Canadian and U.S. waters off the west coast of North America, and calls only at continental U.S. and Canadian ports during the entire cruise season.

(2) Application for approval of a facility or sewage system may be made in writing by the authorized representative of any carrier or by the official having jurisdiction over the port or place of arrival of the means of conveyance, to the Administrator, Animal and Plant Health Inspection Service, U.S. Department of Agriculture, Washington, DC 20250. The application shall be endorsed by the operator of the facility or sewage system. Approval will be granted if the Administrator determines that the requirements set forth in this section are met. Approval may be denied or withdrawn at any time, if the Administrator determines that such requirements are not met, after notice of the proposed denial or withdrawal of the approval and the reasons therefor, and an opportunity to demonstrate or achieve compliance with such requirements, has been afforded to the operator of the facility or sewage system and to the applicant for approval. However, approval may also be withdrawn without such prior procedure in any case in which the public health, interest or safety requires immediate action, and in such case, the operator of the facility or sewage system and the applicant for approval shall promptly thereafter be given notice of the withdrawal and the reasons therefor and an opportunity to show cause why the approval should be reinstated.

(g) APHIS will cooperate with other Federal, State, and local agencies responsible for enforcing other statutes

and regulations governing disposal of regulated garbage to the end that such disposal shall be adequate to prevent the dissemination of plant pests and livestock or poultry diseases and comply with applicable laws for environmental protection. The inspectors, in maintaining surveillance over regulated garbage movements and disposal, shall coordinate their activities with the activities of representatives of the Environmental Protection Agency and other Federal, State, and local agencies also having jurisdiction over such regulated garbage.

(h)(1) *Shelf-stable* means the condition achieved in a product, by application of heat, alone or in combination with other ingredients and/or other treatments, of being rendered free of microorganisms capable of growing in the product under nonrefrigerated conditions (over 50° F or 10° C).

(2) *Sterilization* means cooking regulated garbage at 212° F. for 30 minutes and disposal of the residue by burying in a landfill, except that the burial provisions do not apply to materials extracted from the residue after cooking and determined by the Administrator to be unsuitable for use as food or as soil additives.

(3) *Incineration* means to reduce the regulated garbage to ash by burning.

(4) *Approved sewage system* means a sewage system approved by the Administrator, Animal and Plant Health Inspection Service, upon his determination that the system is designed and operated in such a way as to preclude the discharge of sewage effluents onto land surfaces or into lagoons or other stationary waters, and otherwise is adequate to prevent the dissemination of plant pests and livestock or poultry diseases, and that it is certified by an appropriate government official as currently complying with the applicable laws for environmental protection.

(5) *Approved facility* means a facility approved by the Administrator, Animal and Plant Health Inspection Service, upon his determination that it has equipment and uses procedures that are adequate to prevent the dissemination of plant pests and livestock or poultry diseases, and that it is certified by an appropriate government official as currently complying with the applicable laws for environmental protection.

(6) *Carrier* means the principal operator of a means of conveyance.

(7) *United States* means the States, District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, and the Virgin Islands of the United States.

(8) *Territories or possessions* means Guam, the Northern Mariana Islands, Puerto Rico, and the Virgin Islands of the United States.

(9) *Continental United States* means the 49 States located on the continent of North America and the District of Columbia.

(10) *Person* means any individual, corporation, company, association, firm, partnership, society, or joint stock company.

(i) *Compliance agreement and cancellation.*

(1)Any person engaged in the business of handling or disposing of regulated garbage must first enter into a compliance agreement with the Animal and Plant Health Inspection Service (APHIS). Compliance agreement forms (PPQ Form 519) are available without charge from local USDA/APHIS/Plant Protection and Quarantine offices, which are listed in telephone directories.

(2) A person who enters into a compliance agreement, and employees or agents of that person, shall comply with the following conditions and any supplemental conditions which shall be listed in the compliance agreement, as deemed by the Administrator to be necessary to prevent the dissemination into or within the United States of plant pests and livestock or poultry diseases:

(i) Comply with the provisions of 9 CFR 94.5;

(ii) Allow APHIS inspectors access to all records maintained by the person regarding handling or disposal of regulated garbage, and to all areas where handling or disposal of regulated garbage occurs;

(iii) Remove regulated garbage from a means of conveyance only in tight, leak-proof receptacles;

(iv) Move the receptacles of regulated garbage only to a facility approved in accordance with §94.5(f)(2); and

(v) At the approved facility, dispose of the regulated garbage only through incineration, sterilization, grinding into a sewage system approved in accordance with §94.5(f)(2), or in any other manner approved by the Administrator and described in the compliance agreement.

(3) Approval for a compliance agreement may be denied at any time if the Administrator determines that the requirements set forth in this section are not met, after notice of, and the reasons for, the proposed denial of the approval, and an opportunity to demonstrate or achieve compliance with such requirements, has been afforded to the compliance agreement applicant.

(4) Any compliance agreement may be cancelled in writing by the Administrator whenever it is found that the person who has entered into the compliance agreement has failed to comply with this section. Any person whose compliance agreement has been cancelled may appeal the decision, in writing, within 10 days after receiving written notification of the cancellation. The appeal must state all of the facts and reasons upon which the person relies to show that the compliance agreement was wrongfully cancelled. As promptly as circumstances allow, the Administrator will grant or deny the appeal, in writing, stating the reasons for the decision. A hearing will be held to resolve any conflicts as to any material fact. Rules of practice concerning a hearing will be adopted by the Administrator. This administrative remedy must be exhausted before a person can file suit in court challenging the cancellation of a compliance agreement.

(5) Where a compliance agreement is denied or cancelled, regulated garbage may continue to be unloaded from a means of conveyance and disposed of at an approved facility in accordance with §94.5(f)(1).

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§94.6 Carcasses, parts or products of carcasses, and eggs (other than hatching eggs) of poultry, game birds, or other birds; importations from regions where Exotic Newcastle Disease (END) or S. enteritidis is considered to exist.

(a) *Regions where Exotic Newcastle disease (END) is considered to exist.* (1) Exotic Newcastle disease (END) is considered to exist in all regions of the world except those listed in paragraph (a)(2) of this section.

(2) The following regions are considered to be free of Exotic Newcastle disease (END): Australia, Canada, Chile, Costa Rica, Denmark, Fiji, Finland, France, Great Britain (England, Scotland, Wales, and the Isle of Man), Greece, Iceland, Luxembourg, New Zealand, Republic of Ireland, Spain, Sweden, and Switzerland.

(b) *Regions where S. enteritidis, phage-type 4, is considered to exist.* (1) *S. enteritidis,* phage-type 4, is considered to exist in all regions of the world except those listed in paragraph (b)(2) of this section.

(2) The following regions are considered to be free of *S. enteritidis,* phage-type 4: Canada.

(c) *Carcasses, and parts or products of carcasses, from regions where END is considered to exist.* Carcasses, and parts or products of carcasses, of poultry, game birds, or other birds may be imported only in accordance with this section if they: are of poultry, game birds, or

other birds that were raised or slaughtered in any region where END is considered to exist (see paragraph (a) of this section); are imported from any region where END is considered to exist; or are moved into or through any region where END is considered to exist at any time before importation or during shipment to the United States.

(1) Carcasses of game birds may be imported if eviscerated, with heads and feet removed. Viscera, heads, and feet removed from game birds are ineligible for entry into the United States.

(2) Carcasses, or parts or products of carcasses, of poultry, game birds, and other birds may be imported for consignment to any museum, educational institution or other establishment which has provided the Administrator, with evidence that it has the equipment, facilities, and capabilities to store, handle, process, or disinfect such articles so as to prevent the introduction or dissemination of END into the United States, and which is approved by him.[4]

(3) Carcasses, or parts or products of carcasses, of poultry, game birds, and other birds, may be imported if packed in hermetically sealed containers and if cooked by a commercial method after such packing to produce articles which are shelf stable without refrigeration.

(4) Carcasses, or parts or products of carcasses, of poultry, game birds, and other birds may be imported if thoroughly cooked, and if, upon inspection by a representative of the United States Department of Agriculture at the port of arrival, the carcasses or parts or products thereof have a thoroughly cooked appearance throughout.

(5) Poultry carcasses or parts or products of poultry carcasses that originated in a region considered to be free of END and are processed (cut, packaged, and/or cooked) in a region where END is considered to exist may be imported under the following conditions:

(i) *Shipment to approved establishments.* (A) The poultry carcasses or parts or products of poultry carcasses must be shipped from the END-free region where they originated in closed containers sealed with serially numbered seals applied by an official of the national government of that region. They must be accompanied by a certificate that is signed by an official of that region's national government and that specifies the products' region of origin, the processing establishment to which the poultry carcasses or parts or products of poultry carcasses are consigned, and the numbers of the seals applied to the shipping containers.

(B) the poultry carcasses or parts or products of poultry carcasses may be removed from containers at the processing establishment in the region where END is considered to exist only after an official of that region's national government has determined that the seals are intact and free of any evidence of tampering. The official must attest to this fact by signing the certificate accompanying the shipment.

(ii) *Handling of poultry carcasses or parts or products of poultry carcasses.* Establishments[5] in regions where END is considered to exist that process poultry carcasses or parts or products of poultry carcasses for export to the United States:

(A) May not receive or handle any live poultry.

(B) Must keep any records required by this section on file at the facility for a period of at least 2 years after export of processed products to the United States, and must make those records available to USDA inspectors during inspections.

(C) May process poultry carcasses or parts or products of poultry carcasses that originate in both END-free regions and regions where END is considered to exist, provided that:

(*1*) All areas, utensils, and equipment likely to contact the poultry carcasses

[4] The names and addresses of approved establishments may be obtained from, and requests for approval may be made to, the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

[5] As a condition of entry into the United States, poultry or poultry products must also meet all of the requirements of the Poultry Products Inspection Act (21 U.S.C. 451 *et seq.*) and regulations thereunder (9 CFR part 381), including requirements that the poultry or poultry products be prepared only in approved establishments.

or parts or products of poultry carcasses to be processed, including skimming, deboning, cutting, and packing areas, are cleaned and disinfected between processing poultry from regions where END is considered to exist and poultry carcasses or parts or products of poultry carcasses from END-free regions.

(*2*) Poultry carcasses or parts or products of poultry carcasses intended for export to the United States are not handled, cut, or otherwise processed at the same time as any poultry not eligible for export to the United States.

(*3*) Poultry carcasses or parts or products of poultry carcasses intended for export to the United States are packed in clean new packaging that is clearly distinguishable from that containing any poultry not eligible for export to the United States.

(*4*) Poultry carcasses or parts or products of poultry carcasses are stored in a manner that ensures that no cross-contamination occurs.

(iii) *Cooperative service agreement.* Operators of processing establishments must enter into a cooperative service agreement with APHIS to pay all expenses incurred by APHIS in inspecting the establishment. APHIS anticipates that such inspections will occur once a year. The cooperative service account must always contain a balance that is at least equal to the cost of one inspection. APHIS will charge the cooperative service account for travel, salary, and subsistence of APHIS employees, as well as administrative overhead and other incidental expenses (including excess baggage charges up to 150 pounds).

(iv) *Shipment to the United States.* Poultry carcasses and parts or products of poultry carcasses to be imported into the United States must be shipped from the region where they were processed in closed containers sealed with serially numbered seals applied by an official of the national government of that region. The shipments must be accompanied by a certificate signed by an official of the national government of the region where the poultry was processed that lists the numbers of the seals applied and states that all of the conditions of this section have been met. A copy of this certificate must be kept on file at the processing establishment for at least 2 years.

(6) Carcasses or parts or products of carcasses, of poultry, game birds, and other birds that do not otherwise qualify for importation under paragraph (c) of this section may be imported only if the importer applies to, and is granted a permit by, the Administrator, Veterinary Services authorizing such importation. Permission will be given only when the Administrator determines that such importation will not constitute a risk of introduction or dissemination of END into the United States. Application for a permit may be made in accordance with paragraph (e) of this section.

(d) *Eggs (other than hatching eggs) from regions where END or S. enteritidis is considered to exist.* Eggs (other than hatching eggs[6]) from poultry, game birds, or other birds may be imported only in accordance with this section if they: Are laid by poultry, game birds, or other birds that were raised in any region where END or *S. enteritidis,* phage-type 4, is considered to exist (see paragraphs (a) and (b) of this section); are imported from any region where END or *S. enteritidis,* phage-type 4, is considered to exist; or are moved into or through any region where END or *S. enteritidis,* phage-type 4, is considered to exist at any time before importation or during shipment to the United States.

(1) *With a certificate.* The eggs may be imported if they are accompanied by a certificate signed by a salaried veterinarian of the national government of the region of origin and:

(i) The eggs are imported in cases marked with the identity of the flock of origin and sealed with the seal of the national government of the region of origin.

(ii) The certificate accompanying the eggs is presented to an authorized inspector when the eggs reach the port of arrival in the United States.

(iii) The certificate identifies the flock of origin and shows the region of origin, the port of embarkation, the port of arrival, the name and address of

[6] The requirements for importing hatching eggs are contained in Part 92 of this chapter.

the exporter and importer, the total number of eggs, and cases of eggs, shipped with the certificate, and the date the certificate was signed.

(iv) The certificate states that the eggs qualify for importation in accordance with this section.

(v) No more than 90 days before the certificate was signed, a salaried veterinary officer of the national government of the region of origin inspected the flock of origin and found no evidence of communicable diseases of poultry.

(vi) The eggs were washed, to remove foreign material from the surface of the shells, and sanitized on the premises of origin with a hypochlorite solution of from 100 ppm to 200 ppm available chlorine.

(vii) The eggs were packed on the premises of origin in previously unused cases.

(viii) Before leaving the premises of origin, the cases in which the eggs were packed were sealed with a seal of the national government of the region of origin by the salaried veterinarian who signed the certificate.

(ix) And, if the eggs were laid in any region where END is considered to exist (see paragraph (a) of this section):

(A) No END occurred on the premises of origin or on adjoining premises during the 90 days before the certificate was signed.

(B) There is no evidence that the flock of origin was exposed to END during the 90 days before the certificate was signed.

(C) The eggs are from a flock of origin found free of END in one of the following ways:

(*1*) Sentinel birds[7] were present in the flock of origin for at least 60 days before the certificate was signed. There was at least 1 sentinel bird per 1,000 poultry, with at least 30 sentinel birds per house. The sentinel birds remained free of clinical and immunological evidence of END as demonstrated by negative hemagglutination inhibition tests conducted on blood samples drawn at 10-day intervals by a salaried veterinary officer of the national government of the region of origin. The tests were conducted in a laboratory located in the region of origin, and the laboratory was approved to conduct the tests by the national government of that region or;

(*2*) Once every week, beginning at least 60 days before the certificate was signed, a salaried veterinary officer of the national government of the region of origin collected carcasses of all poultry that died during that week, and the carcasses were examined for END using the embryonated egg inoculation technique. Once a month, beginning at least 60 days before the certificate was signed, a salaried veterinary officer of the national government of the region of origin collected tracheal and cloacal swabs from not less than 10 percent of the poultry in the flock, and the swabs were tested for END. All examinations and tests were conducted in a laboratory located in the region of origin, and the laboratory was approved to conduct the tests and examinations by the national government of that region. All results were negative for VVND.

(x) And, if the eggs were laid in any region where *S. enteritidis,* phage-type 4, is considered to exist (see paragraph (b) of this section):

(A) No salmonellosis caused by *S. enteritidis* occurred on the premises of origin or on adjoining premises during the 90 days before the certificate was signed.

(B) There is no evidence that the flock of origin was exposed to *S. enteritidis* during the 90 days before the certificate was signed.

(C) The eggs are from a flock of origin found free of *S. enteritidis* as follows:

(*1*) At least 60 days before the certificate was signed, a veterinary medical officer of the national government of the region of origin took a blood specimen from a representative sample of at least 300 poultry in each house, or, if any house contained fewer than 300 poultry, from all the poultry in that house. The blood specimens were tested for *S. enteritidis* with *Salmonella pullorum* or *S. enteritidis* antigen using a tube or plate test. The tests were conducted in a laboratory located in the

[7] For information on sources of sentinel birds, contact the Animal and Plant Health Inspection Service, Veterinary Services, Operational Support, 4700 River Road Unit 33, Riverdale, Maryland 20737–1231.

region of origin, and the laboratory was approved to conduct the tests by the national government of that region.

(*2*) Beginning the week after the flock was tested and found negative as required in paragraph (d)(1)(x)(C)(*1*) of this section, and continuing once a week thereafter, a salaried veterinarian of the national government of the region of origin collected 25 carcasses, or 10 percent of the carcasses, whichever was greater, of all the poultry that died in each house during the previous week. The carcasses were bacteriologically examined and found negative for *S. enteritidis.* The examinations were conducted in a laboratory located in the region of origin, and the laboratory was approved to conduct the examinations by the national government of that region.

(*3*) After the blood specimens were drawn as required in paragraph (d)(1)(x)(C)(*1*) of this section, no poultry were added to the flock of origin until a blood specimen from each was tested for *S. enteritidis* with *Salmonella pullorum* or *S. enteritidis* antigen using a plate or tube test, and the specimen was found negative. The tests were conducted in a laboratory located in the region of origin, and the laboratory was approved to conduct the tests by the national government of that region.

(2) *To an approved establishment for breaking and pasteurization.* The eggs may be imported if they are moved from the port of arrival in the United States, under seal of the United States Department of Agriculture, to an approved establishment for breaking and pasteurization. Establishments will be approved when the Administrator determines that pasteurization and sanitation procedures for handling the eggs, and for disposing of egg shells, cases, and packing materials, are adequate to prevent the introduction of END or *S. enteritidis,* phage-type 4, into the United States.

(3) *For scientific, educational, or research purposes.* The eggs may be imported if they are imported for scientific, educational, or research purposes and the Administrator has determined that the importation can be made under conditions that will prevent the introduction of END or *S. enteritidis,* phage-type 4, into the United States. The eggs must be accompanied by a permit obtained from APHIS prior to the importation in accordance with paragraph (e) of this section, and they must be moved and handled as specified on the permit to prevent the introduction of END or *S. enteritidis,* phage-type 4, into the United States.

(4) *Other.* The eggs may be imported when the Administrator determines that the eggs have been cooked or processed or will be handled in a manner that will prevent the introduction of END or *S. enteritidis,* phage-type 4, into the United States. The eggs must be accompanied by a permit obtained from APHIS prior to the importation in accordance with paragraph (e) of this section, and they must be moved and handled as specified on the permit to prevent the introduction of END or *S. enteritidis,* phage-type 4, into the United States.

(e) To apply for a permit, contact the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

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[39 FR 39546, Nov. 8, 1974; 39 FR 41242, Nov. 26, 1974]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §94.6, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 94.7 Disposal of animals, meats, and other articles ineligible for importation.

(a) Ruminants and swine, and fresh (chilled or frozen) meats, prohibited importation under §§94.1, 94.8, 94.9, 94.10, 94.12, 94.14, or 94.18, which come into the United States by ocean vessel and are offered for entry and refused admission into this country shall be destroyed or otherwise disposed of as the Administrator, may direct pursuant to section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), unless they are exported by the consignee within 48 hours, and meanwhile are retained under such isolation and other safeguards as the Administrator, may

require to prevent the introduction or dissemination of livestock or poultry diseases into the United States.

(b) Ruminants and swine, and fresh (chilled or frozen) meats, prohibited importation under §§ 94.1, 94.8, 94.9, 94.10, 94.12, 94.14, or 94.18, which come into the United States aboard an airplane or railroad car and are offered for entry and refused admission into this country shall be destroyed or otherwise disposed of as the Administrator, may direct pursuant to section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), unless they are exported by the consignee within 24 hours and meanwhile are retained under such isolation and other safeguards as the Administrator, may require to prevent the introduction or dissemination of livestock or poultry diseases into the United States.

(c) Ruminants and swine, and fresh (chilled or frozen) meats, prohibited importation under §§ 94.1, 94.8, 94.9, 94.10, 94.12, 94.14, or 94.18, which come into the United States by any means other than ocean vessel, airplane, or railroad car and are offered for entry and refused admission into this country shall be destroyed or otherwise disposed of as the Administrator, may direct pursuant to section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), unless they are exported by the consignee within 8 hours on the same means of conveyance and meanwhile are retained under such isolation and other safeguards as the Administrator, may require to prevent the introduction or dissemination of livestock or poultry diseases into the United States.

(d) Ruminants and swine, and fresh (chilled or frozen) meats, prohibited importation under §§ 94.1, 94.8, 94.9, 94.10, 94.12, 94.14, or 94.18 which come into the United States by any means but are not offered for entry into this country; and other animals, meats, and other articles prohibited importation under other sections of this part which come into the United States by any means, whether they are offered for entry into this country or not, shall be immediately destroyed or otherwise disposed of as the Administrator, may direct at any time in accordance with section 2 of the Act of February 2, 1903, as amended, or section 2 of the Act of July 2, 1962 (21 U.S.C. 111, 134a).

[38 FR 2752, Jan. 30, 1973, as amended at 53 FR 48520, Dec. 1, 1988; 62 FR 56022, Oct. 28, 1997]

§ 94.8 Pork and pork products from regions where African swine fever exists or is reasonably believed to exist.

African swine fever exists or the Administrator has reason to believe that African swine fever exists[8] in: All the countries of Africa, Brazil, Cuba, Haiti, Malta, Portugal, and the island of Sardinia, Italy.

(a) No pork or pork products may be imported into the United States from any region listed in this section unless:

(1) Such pork or pork product has been fully cooked by a commercial method in a container hermetically sealed promptly after filling but before such cooking, so that such cooking and sealing produced a fully-sterilized

[8] The Administrator bases the reason to believe African swine fever exists in a region the following factors: (1) When a region allows the importation of host animals, pork or pork products, or vectors of African swine fever from a region in which African swine fever exists under conditions which the Administrator has determined are less stringent than those prescribed by this chapter for importing host animals, pork or pork products, or vectors of African swine fever into the United States from a region in which African swine fever exists; or (2) When a region allows the importation or use of African swine fever virus or cultures under conditions which the Administrator has determined are less stringent than those prescribed by this chapter for the importation or use of African swine fever virus or cultures into or within the United States; or (3) When a region has a contiguous border with, or is subject to commercial exchange or natural spread of African swine fever host animals, host materials, or vectors with, another region with known outbreaks of African swine fever; or (4) A region's lack of a disease detection, control or reporting system capable of detecting or controlling African swine fever and reporting it to the United States in time to allow the United States to take appropriate action to prevent the introduction of African swine fever into the United States; or, (5) Any other fact or circumstance found to exist which constitutes a risk of introduction of African swine fever into the United States.

product which is shelf-stable without refrigeration; or

(2) Such pork or pork product is not otherwise prohibited importation under this part and is consigned directly from the port of arrival in the United States to a meat processing establishment operating under Federal meat inspection, approved by the Administrator, for further processing of such pork or pork product by heat.

(3) Such pork or pork product meets the conditions of paragraphs (a)(3)(i) through (a)(3)(vi) of this section;

(i) It was derived from pork or pork products:

(A) Which originated from swine raised and slaughtered in a region not listed in this section;

(B) Which were shipped from the region of origin to a processing establishment[9] in a region listed in this section in a closed container sealed with serially numbered seals applied by an official of the national government of the region of origin;

(C) Which were accompanied from the region of origin to such processing establishment by a certificate signed by an official of the national government of the region of origin specifying the region of origin, the processing establishment to which the pork was consigned, and the numbers of the seals applied; and

(D) Which were taken out of the container at such processing establishment only after an official of the national government of the region where such processing establishment is located determined that the seals were intact and free of any evidence of tampering, and had so stated on the certificate referred to in paragraph (a)(3)(i)(C) of this section;

(ii) All bones were completely removed;

(iii) It was heated by other than a flash-heating method at the processing establishment referred to in paragraph (a)(3)(i)(B) of this section, to an internal temperature of at least 69 ° C. (156 ° F.) throughout (this must have occurred after the bones had been removed);

(iv) The processing establishment referred to in paragraph (a)(3)(i)(B) of this section:

(A) Does not receive or process any live swine, uses only pork or pork products which originate in regions not listed in this section, and processes pork or pork products only in accordance with paragraphs (a)(3)(i) through (a)(3)(vi) of this section;

(B) Is operated by persons who have entered into a valid written compliance agreement with APHIS whereby such persons have agreed to maintain on file at the establishment for at least two years copies of the certificates referred to in paragraph (a)(3)(i)(C) of this section, to allow APHIS personnel to make unannounced inspections as necessary to monitor compliance with the provisions of this section, and have agreed to otherwise comply with the provisions of this section;

(C) Is operated by persons who have entered into a trust fund agreement executed by such persons and APHIS; pursuant to the trust fund agreement the establishment is current in paying the cost for APHIS personnel to inspect the establishment (it is anticipated that such inspections will occur once per year), including travel, salary, subsistence, administrative overhead, and other incidental expenses (including excess baggage provisions up to 150 pounds); and in addition the establishment has on deposit with the Animal and Plant Health Inspection Service an unobligated amount equal to the cost for APHIS personnel to conduct one inspection;

(v) It was processed at only one processing establishment in a region listed in this section; and

(vi) It is accompanied by a certificate issued by an official of the national government of the region in which the processing establishment is located who is authorized to issue the foreign meat inspection certificate required by §327.4 of this title, stating that all of the requirements of this section have been met. Upon arrival of the pork or pork products in the United States, the

[9] As a condition of entry into the United States, pork or pork products must also meet all of the requirements of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) and regulations thereunder (9 CFR part 301 *et seq.*), including requirements that the pork or pork products be prepared only in approved establishments.

certificate must be presented to an authorized inspector at the port of arrival.

(b) Pork or pork products consigned from the port of arrival to an approved establishment under the provisions of paragraph (a)(2) of this section shall be moved from the port of arrival to the approved establishment under Customs seals or seals of the Administrator, and shall be otherwise handled as the Administrator, may direct in order to guard against the introduction and dissemination of the contagion of African swine fever. Seals applied under this section shall not be broken except by persons authorized to do so by the Administrator.

(c) Pork or pork products imported into the United States from a region listed in this section which do not meet the requirements specified in this section shall be seized, quarantined, and disposed of as the Administrator, may direct in order to guard against the introduction and dissemination of the contagion of the disease.

(d) Any compliance agreement may be cancelled orally or in writing by the inspector who is supervising its enforcement whenever the inspector finds that such person has failed to comply with the provisions of this section or any conditions imposed pursuant to such provisions. If the cancellation is oral, the decision and the reasons therefore shall be confirmed in writing, as promptly as circumstances allow. Any person whose compliance agreement has been cancelled may appeal the decision, in writing, within ten (10) days after receiving written notification of the cancellation. The appeal shall state all of the facts and reasons upon which the person relies to show that the compliance agreement was wrongfully cancelled. The Administrator shall grant or deny the appeal, in writing, stating the reasons for such decision, as promptly as circumstances allow. If there is a conflict as to any material fact, a hearing shall be held to resolve such conflict. Rules of Practice concerning such a hearing will be adopted by the Administrator.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5980, June 13, 1963]

EDITORIAL NOTE: For Federal Register citations affecting § 94.8, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 94.9 Pork and pork products from regions where hog cholera exists.

(a) Hog cholera is known to exist in all regions of the world except Australia, Canada, Denmark, Fiji, Finland, Great Britain (England, Scotland, Wales, and Isle of Man), Iceland, New Zealand, Northern Ireland, Norway, the Republic of Ireland, Sweden, and Trust Territory of the Pacific Islands.[10]

(b) No pork or pork product may be imported into the United States from any region where hog cholera is known to exist unless it complies with the following requirements:

(1) Such pork or pork product has been treated in accordance with one of the following procedures:

(i) Such pork and pork product has been fully cooked by a commercial method in a container hermetically sealed promptly after filling but before such cooking, so that such cooking and sealing produced a fully sterilized product which is shelf-stable without refrigeration;

(ii) Such pork or pork product is in compliance with the following requirements:

(A) All bones have been completely removed in the region of origin, and

(B) Such article has received heat treatment producing an internal temperature of 156° F.; or

(iii) Such pork or pork product is in compliance with the following requirements:

(A) All bones have been completely removed in the region of origin, and

(B) The meat has been held in an unfrozen, fresh condition for at least 3 days immediately following the slaughter of the animals from which it was derived, and

(C) The meat has been thoroughly cured and fully dried for a period of not less than 90 days so that the product is shelf stable without refrigeration: *Provided,* That the period of curing and

[10] See also other provisions of this part and parts 92, 95, and 96 of this chapter, and 327 of this title for other prohibitions and restrictions upon importation of swine and swine products.

drying shall be 45 days if the pork or pork product is accompanied to the processing establishment by a certificate of an official of the national government of a hog cholera free region which specifies that:

(*1*) The pork involved originated in that region and the pork or pork product was consigned to a processing establishment in ———— (a region not listed in paragraph (a) of this section as free of hog cholera), in a closed container sealed by the national veterinary authorities of the hog cholera free region by seals of a serially numbered type; and

(*2*) The numbers of the seals used were entered on the meat inspection certificate of the hog cholera free region which accompanied the shipment from such free region: *And, provided further,* That the certificate required by paragraph (b)(3) of this section also states that: The container seals specified in paragraph (b)(1)(iii)(C)(*1*) of this section were found intact and free of any evidence of tampering on arrival at the processing establishment by a national veterinary inspector; and the processing establishment from which the pork or pork product is shipped to the United States does not receive or process any live swine, and uses only pork or pork product which originates in regions listed in paragraph (a) of this section as free of hog cholera and processes all such pork or pork products in accordance with paragraph (b)(1)(i), (ii), or (iii) of this section.

(2) Articles under paragraph (b)(1)(ii) or (iii) of this section were prepared in an inspected establishment that is eligible to have its products imported into the United States under the Federal Meat Inspection Act and §327.2 of this title; and,

(3) In addition to the foreign meat inspection certificate required by §327.4 of this title, pork and pork products prepared under paragraph (b)(1)(ii) or (iii) of this section shall be accompanied by a certificate that states that the provisions of paragraph (b)(1)(ii) or (iii) of this section have been met. This certificate shall be issued by an official of the national government of the region of origin who is authorized to issue the foreign meat inspection certificate required by §327.4 of this title.[11] Upon arrival of the pork or pork products in the United States, the certificate must be presented to an authorized inspector at the port of arrival.

(4) Small amounts of pork or pork product, subject to the restrictions in this section, may in specific cases be imported for purposes of examination, testing, or analysis if the importer applies for and receives written approval for such importation from the Administrator. Approval will be granted only when the Administrator determines that the articles have been processed by heat in a manner so that such importation will not endanger the livestock of the United States.

(c) Thoroughly cured and fully dried pork and pork products from regions where both hog cholera and swine vesicular disease are known or considered to exist need not comply with paragraph (b)(1)(iii) of this section if they are in compliance with the provisions of §94.12(b)(1)((iii) of this part.

(Approved by the Office of Management and Budget under control number 0579–0015)

[37 FR 21149, Oct. 6, 1972]

EDITORIAL NOTE: For Federal Register citations affecting §94.9, see the List of CFR Section Affected in the Finding Aids section of this volume.

§ 94.10 Swine from regions where hog cholera exists.

(a) Hog cholera is known to exist in all regions of the world except Australia, Canada, Denmark, Fiji, Finland, Great Britain (England, Scotland, Wales, and Isle of Man), Iceland, New Zealand, Northern Ireland, Norway, the Republic of Ireland, Sweden, and Trust Territory of the Pacific Islands. No swine which are moved from or transit any region in which hog cholera is known to exist may be imported into the United States except wild swine imported into the United States in accordance with paragraph (b) of this section.

(b) Wild swine may be allowed importation into the United States by the Administrator upon request in specific

[11] The certification required may be placed on the foreign meat inspection certificate prescribed by §327.4 of this title or may be contained in a separate document.

cases under §93.504(c) or §93.501 of this chapter.

[54 FR 7394, Feb. 21, 1989, as amended at 54 FR 13053, Mar. 30, 1989; 55 FR 31558, Aug. 2, 1990; 58 FR 11367, Feb. 25, 1993; 61 FR 40293, Aug. 2, 1996; 62 FR 8868, Feb. 27, 1997; 62 FR 28620, May 27, 1997; 62 FR 43925, Aug. 18, 1997; 62 FR 56022, Oct. 28, 1997]

§94.11 Restrictions on importation of meat and other animal products from specified regions.

(a) Austria, The Bahamas, Belgium, Channel Islands, Chile, Czech Republic, Denmark, Finland, France, Germany, Great Britain (England, Scotland, Wales, and Isle of Man), Hungary, Italy, Japan, Luxembourg, The Netherlands, Northern Ireland, Norway, Papua New Guinea, Poland, Portugal, Republic of Ireland, Republic of Korea, Spain, Sweden, Switzerland, and Uruguay, which are declared in §94.1(a)(2) to be free of rinderpest and foot-and-mouth disease, supplement their national meat supply by the importation of fresh (chilled or frozen) meat of ruminants or swine from regions that are designated in §94.1(a) to be infected with rinderpest or foot-and-mouth disease; or have a common land border with regions designated as infected with rinderpest or foot-and-mouth disease; or import ruminants or swine from regions designated as infected with rinderpest or foot-and-mouth disease under conditions less restrictive than would be acceptable for importation into the United States. Thus, even though this Department has declared such regions to be free of rinderpest and foot-and-mouth disease, the meat and other animal products produced in such free regions may be commingled with the fresh (chilled or frozen) meat of animals from an infected region, resulting in an undue risk of introducing rinderpest or foot-and-mouth disease into the United States. Therefore, meat of ruminants or swine, and other animal products, and ship stores, airplane meals, and baggage containing such meat or animal products originating in the free regions listed in this section shall not be imported into the United States unless the following requirements in addition to other applicable requirements of chapter III of this title are met. However, meat and meat products which meet the requirements of §94.4 do not have to comply with the requirements of this section. As used in this section the term ''other animal product'' means all parts of the carcass of any ruminant or swine, other than meat and articles regulated under part 95 or 96 of this chapter.

(b) All meat or other animal product from such regions, whether in personal-use amounts or commercial lots (except that which has been fully cooked by a commercial method in a container hermetically sealed promptly after filling but before such cooking and sealing produced a fully sterilized product which is shelf-stable without refrigeration) shall have been prepared only in an inspected establishment that is eligible to have its products imported into the United States under the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) and the regulations in §327.2, chapter III of this title, issued thereunder, and shall be accompanied by a Department-approved meat inspection certificate prescribed in §327.4 in chapter III of this title, or similar certificate approved by the Administrator, as adequate to effectuate the purposes of this section, regardless of the purpose or amount of product in the shipment.

(c) *Additional certification.* Meat of ruminants or swine or other animal products from regions designated in paragraph (a) of this section must be accompanied by additional certification by a full-time salaried veterinary official of the agency in the national government that is responsible for the health of the animals within that region. Upon arrival of the meat of ruminants or swine or other animal product in the United States, the certification must be presented to an authorized inspector at the port of arrival. The certification must give the name and official establishment number of the establishment where the animals were slaughtered, and shall state that:

(1) The slaughtering establishment is not permitted to receive animals that originated in, or have ever been in, or that have been aboard a means of conveyance at the time such means of conveyance called at or landed at a port in, a region listed in §94.1(a) as a region

infected with rinderpest or foot-and-mouth disease;

(2) The slaughtering establishment is not permitted to receive meat or other animal products derived from ruminants or swine which originated in such a rinderpest or foot-and-mouth disease infected region, or meat or other animal products from a rinderpest and foot-and-mouth disease free region transported through a rinderpest or foot-and-mouth disease infected region except in containers sealed with serially numbered seals of the National Government of the noninfected region of origin;

(3) The meat or other animal product covered by the certificate was derived from animals born and raised in a region listed in §94.1(a)(2) as free of rinderpest and foot-and-mouth disease and the meat or other animal product has never been in any region in which rinderpest or foot-and-mouth disease existed;

(4) The meat or other animal product has been processed, stored, and transported to the means of conveyance that will bring the article to the United States in a manner to preclude its being commingled or otherwise in contact with meat or other animal products that do not comply with the conditions contained in this certificate.

(Approved by the Office of Management and Budget under control number 0579–0015)

[38 FR 2752, Jan. 30, 1973]

EDITORIAL NOTE: For Federal Register citations affecting §94.11, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§94.12 Pork and pork products from regions where swine vesicular disease exists.

(a) Swine vesicular disease is considered to exist in all regions of the world except Australia, Austria, The Bahamas, Belgium, Bulgaria, Canada, Central American regions, Chile, Denmark, Dominican Republic, Fiji, Finland, France, Germany, Great Britain (England, Scotland, Wales, and the Isle of Man), Greenland, Haiti, Hungary, Iceland, Luxembourg, Mexico, The Netherlands, New Zealand, Northern Ireland, Norway, Panama, Portugal, Republic of Ireland, Romania, Spain, Sweden, Switzerland, Trust Territories of the Pacific Islands, and Yugoslavia.

(b) No pork or pork product may be imported into the United States from any region where swine vesicular disease is known to exist unless it complies with the following requirements and it is not otherwise prohibited importation into the United States under this part:

(1) Such pork or pork product has been treated in accordance with one of the following procedures:

(i) Such pork or pork product has been fully cooked by a commercial method in a container hermetically sealed promptly after filling, but before such cooking, so that such cooking and sealing produced a fully sterilized product which is shelf-stable without refrigeration; or

(ii) Such pork or pork product is in compliance with the following requirements:

(A) All bones have been completely removed in the region of origin, and

(B) Such article has received heat treatment in a commercially accepted manner used for perishable canned pork products that produces an internal temperature of 156° F.; or

(iii) Such pork or pork product if cured and dried is in compliance with the following requirements:

(A) All bones have been completely removed in the region of origin, and

(B) Such pork or pork products shall be consigned directly from the port of entry in the United States to a meat processing establishment operating under Federal meat inspection and approved by the Administrator,[12] for

[12] The names and addresses of approved establishments may be obtained from, and request for approval of any establishment may be made to, the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Establishments will be approved only if the Administrator determines that the imported articles will be so handled at the establishment as to prevent the introduction and dissemination of livestock or poultry diseases into the United States. Approval of any establishment may be refused or withdrawn only after the operator thereof has been given notice of the proposed action and has had an opportunity to present his views thereon.

heating to an internal temperature of 166 °F. During movement from the port of entry to the meat processing establishment, the pork or pork products must be moved under Department seals or seals of the the U.S. Customs Service, and shall be otherwise handled as the Administrator may direct in order to guard against the introduction and dissemination of swine vesicular disease. Seals applied under this section may not be broken except by persons authorized by the Administrator to do so; or

(iv) Such pork or pork product, if it originated in a swine vesicular disease free region, has been cured and dried and is in compliance with the following requirements:

(A) All bones have been completely removed, either in the region of origin or in the region where the pork or pork products are processed; and

(B)(*1*) Such pork or pork product is accompanied from the swine vesicular disease free region of origin to the processing establishment in the swine vesicular disease infected region by a certificate signed by an official of the National Government of the swine vesicular disease free region of origin specifying that the pork or pork product involved originated in that region and the pork or pork product was consigned to a processing establishment in _____ (a region not listed in paragraph (a) of this section as free of swine vesicular disease), in a closed container sealed by the national veterinary authorities of the swine vesicular disease free region of origin by seals of a serially numbered type. The numbers of these seals shall be entered on this certificate; and

(*2*) The certificate required by paragraph (b)(3) of this section shall also state that:

(*i*) The container seals specified in paragraph (b)(1)(iv)(B)(*1*) of this section were found intact and free of any evidence of tampering on arrival at the processing establishment in the swine vesicular disease infected region by a national veterinary inspector of that region,

(*ii*) The processing establishment from which the pork or pork product was shipped to the United States does not receive or process any live swine, and uses only pork or pork products which originate in regions listed in paragraph (a) of this section as free of swine vesicular disease; and

(*iii*) That such establishment processes all such pork or pork products in accordance with paragraph (b)(1)(i), (ii), (iii) or (iv) of this section.

(2) Articles under paragraph (b)(1)(ii), (iii) or (iv) of this section were prepared in an inspected establishment that is eligible to have its products imported into the United States under the Federal Meat Inspection Act and the regulations in §327.2 in chapter III of this title; and

(3) In addition to the foreign meat inspection certificate required in §327.4 of this title, pork or pork products prepared under paragraph (b)(1)(ii), (iii) or (iv) of this section shall be accompanied by certification that paragraph (b)(1)(ii), (b)(1)(iii)(A), or (b)(1)(iv)(B)(2) of this section has been met. The certification shall be issued by an official of the national government of the region of origin who is authorized to issue the foreign meat inspection certificate required by §327.4 of this title.[13] Upon arrival of the pork or pork products in the United States, the certificate must be presented to an authorized inspector at the port of arrival.

(4) Small amounts of pork or pork product subject to the restrictions of this section, may in specific cases be imported for purposes of examination, testing, or analysis, if the importer applies for and receives written approval for such importation from the Administrator, authorizing such importation. Approval will be granted only when the Administrator determines that the articles have been processed by heat in a manner so that such importation will not endanger the livestock of the United States.

(Approved by the Office of Management and Budget under control number 0579–0015)

[38 FR 20610, Aug. 2, 1973]

EDITORIAL NOTE: For Federal Register citations affecting §94.12, see the List of CFR Sections Affected in the Finding Aids section of this volume.

[13] See footnote 10 in §94.9 of this part.

§ 94.13 Restrictions on importation of pork or pork products from specified regions.

Austria, The Bahamas, Belgium, Bulgaria, Chile, Denmark, France, Germany, Great Britain (England, Scotland, Wales, and the Isle of Man), Hungary, Luxembourg, The Netherlands, Northern Ireland, Portugal, Republic of Ireland, Spain, Switzerland, and Yugoslavia, which are declared to be free of swine vesicular disease in §94.12(a), are regions that either supplement their national pork supply by the importation of fresh (chilled or frozen) pork from regions where swine vesicular disease is considered to exist; have a common border with such regions; or have certain trade practices that are less restrictive than are acceptable to the United States. Thus, the pork or pork products produced in such regions may be commingled with fresh (chilled or frozen) meat of animals from a region where swine vesicular disease is considered to exist resulting in an undue risk of swine vesicular disease introduction into the United States. Therefore, pork or pork products and shipstores, airplane meals, and baggage containing such pork, other than those articles regulated under part 95 or part 96 of this chapter, produced in such regions shall not be brought into the United States unless the following requirements are met in addition to other applicable requirements of part 327 of this title:

(a) All such pork or pork products, except those treated in accordance with §94.12(b)(1)(i) of this part, shall have been prepared only in inspected establishments that are eligible to have their products imported into the United States under the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) and under §327.2 of this title and shall be accompanied by the foreign meat inspection certificate required by §327.4 of this title. Upon arrival of the pork or pork products in the United States, the foreign meat inspection certificate must be presented to an authorized inspector at the port of arrival.

(b) Unless such pork or pork products are treated according to one of the procedures described in §94.12(b) of this part, the pork or pork products must be accompanied by an additional certificate issued by a full-time salaried veterinary official of the agency in the national government responsible for the health of the animals within that region. Upon arrival of the pork or pork products in the United States, the certificate must be presented to an authorized inspector at the port of arrival. The certificate shall state the name and official establishment number of the establishment where the swine involved were slaughtered and the pork was processed. The certificate shall also state that:

(1) The slaughtering establishment is not permitted to receive animals that originated in, or have ever been in a region listed in §94.12(a) as a region in which swine vesicular disease is considered to exist;

(2) The slaughtering establishment is not permitted to receive pork derived from swine which originated in such a region or pork from swine from a swine vesicular disease free region which has been transported through a region where swine vesicular disease is considered to exist except pork which was transported in containers sealed with serially numbered seals of the National Government of a region of origin listed in §94.12 as a region considered free of the disease.

(3) The pork has been processed, stored, and transported to the means of conveyance that will bring the article to the United States in a manner that precludes its being commingled or otherwise coming in contact with pork or pork products that have not been handled in accordance with the requirements of this section.

(Approved by the Office of Management and Budget under control number 0579–0015)

[38 FR 20611, Aug. 2, 1973]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §94.13, see the List of Sections Affected in the Finding Aids section of this volume.

§ 94.14 Swine from regions where swine vesicular disease exists; importations prohibited.

(a) Swine vesicular disease is known to exist in all regions of the world except those listed in §94.12(a) of this part. No swine which are moved from or transit any region in which swine vesicular disease is known to exist may

be imported into the United States except wild swine imported in accordance with paragraph (b) of this section.

(b) Wild swine may be allowed importation into the United States by the Administrator upon request in specific cases under §93.501 or §93.504(c) of this chapter.

(Approved by the Office of Management and Budget under control number 0579–0040)

[54 FR 7395, Feb. 21, 1989, as amended at 55 FR 31558, Aug. 2, 1990; 59 FR 67134, Dec. 29, 1994; 62 FR 56023, Oct. 28, 1997]

§94.15 Animal products and materials; movement and handling.

(a) Any animal product or material which would be eligible for entry into the United States, as specified in the regulations in this part, may transit through the United States for immediate export if the following conditions are met:

(1) Notification of the transiting of such animal product or material must be made by the importer to the Plant Protection and Quarantine Officer at the United States port of arrival prior to such transiting, and

(2) The animal product or material transited shall be contained in a sealed, leakproof carrier or container which shall remain sealed while aboard the transporting carrier or other means of conveyance, or if the container or carrier in which such animal product or material is transported is offloaded in the United States for reshipment, it shall remain sealed at all times.

(b) Pork and pork products from Chihuahua, Baja California, Sonora, or Yucatan Mexico, that are not eligible for entry into the United States in accordance with the regulations in this part may transit the United States for immediate export if the following conditions are met:

(1) The person desiring to move the pork and pork products through the United States obtains a United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors (VS Form 16–6). (An application for the permit may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.)

(2) The pork and pork products are sealed in Chihuahua, Baja California, Sonora, or Yucatan Mexico, in a leakproof container with serially-numbered seals approved by APHIS, and the container remains sealed during the entire time that it is in transit across the United States, from the point of arrival to its exportation.

(3) The person moving the pork and pork products through the United States notifies, in writing, the Plant Protection and Quarantine Officer at the United States port of arrival prior to such transiting. The notification must include the following information regarding the pork and pork products:

(i) Permit number;

(ii) Times and dates of arrival in the United States;

(iii) Time schedule and route to be followed through the United States; and

(iv) Serial numbers of the seals on the containers.

(4) The pork and pork products transit the United States under Customs bond and are exported from the United States within the time limit specified on the permit. Any pork or pork products that have not been exported within the time limit specified on the permit or that have not been transited in accordance with the permit or applicable requirements of this part will be destroyed or otherwise disposed of as the Administrator may direct pursuant to section 2 of the Act of February 2, 1903, as amended (21 U.S.C. 111).

(c) Meat and other products of ruminants or swine from regions listed in §94.11(a) and pork and pork products from regions listed in §94.13 that do not meet the requirements of §94.11(b) or §94.13(a) may transit through the United States for immediate export, provided the provisions of paragraph (a) of this section are met, and provided all other applicable provisions of this part are met.

(d) Any meat or other animal products not otherwise eligible for entry into the United States, as provided in this part and part 95 of this chapter, may transit the United States for immediate export if the following conditions are met:

(1) Notification of the transiting of such meat or other animal product is made by the importer to the Plant Protection and Quarantine officer at the United States port of arrival prior to such transiting;

(2) The meat or other animal product is contained in a sealed, leakproof carrier or container, which remains sealed while aboard the transporting carrier or other means of conveyance, or, if the container or carrier in which the meat or other animal product is transported is offloaded in the United States for reshipment, it remains sealed at all times;

(3) Such transit is limited to the maritime or airport port of arrival only, with no overland movement outside the airport terminal area or dock area of the maritime port; and

(4) The meat or other animal product is not held or stored for more than 72 hours at the maritime or airport port of arrival.

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§ 94.16 Milk and milk products.

(a) The following milk products are exempt from the provisions of this part:

(1) Cheese, but not including cheese with liquid and not including cheese containing any item that is regulated by other sections of this part, unless such item is independently eligible for importation into the United States under this part;

(2) Butter; and

(3) Butteroil.

(b) Milk and milk products originating in, or shipped from, any region designated in §94.1(a) as a region infected with rinderpest or foot-and-mouth disease may be imported into the United States if they meet the requirements of paragraphs (b)(1), (2), or (3) of this section:

(1) They are in a concentrated liquid form and have been processed by heat by a commercial method in a container hermetically sealed promptly after filling but before such heating, so as to be shelf stable without refrigeration.

(2) They are dry milk or dry milk products, including dry whole milk, nonfat dry milk, dried whey, dried buttermilk, and formulations which contain any such dry milk products, and are consigned directly to an approved establishment[14] for further processing in a manner approved by the Administrator, as adequate to prevent the introduction or dissemination of livestock diseases into the United States. However, in specific cases, upon request by the importer to the Administrator, and approval by the Administrator, they may be stored for a temporary period in an approved warehouse[14] under the supervision of an inspector of the Animal and Plant Health Inspection Service pending movement to an approved establishment. Such

[14] The names and addresses of approved establishments or warehouses or information as to approved manner of processing, and request for approval of any such establishment, warehouse, or manner of processing may be made to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Any establishment or warehouse will be approved for the purpose of this section only if the operator has provided the Administrator, with satisfactory evidence that the establishment or warehouse has the equipment, facilities, and capability to store, handle and process the imported dry milk or dry milk product subject to §94.16(b)(2) in a manner which will prevent the introduction or dissemination of livestock diseases into the United States. Similarly, processing methods will be approved only if the Administrator determines they are adequate to prevent the introduction or dissemination of such diseases into the United States. Approval of any establishment or warehouse or processing method may be refused or withdrawn by the Administrator only after the operator thereof has been given notice of the proposed action and has had an opportunity to present his views thereon, and upon a determination by the Administrator that the conditions for approval are not met. Approval of an establishment or warehouse may also be withdrawn after such notice and opportunity if the Administrator determines that such imported dry milk or milk products have been stored, handled, or processed by the operator thereof other than at an approved establishment or warehouse or other than in an approved manner.

products shall be transported from the United States port of first arrival to an approved establishment[14] or an approved warehouse,[14] and from an approved warehouse[14] to an approved establishment[14] only under Department seals or seals of the U.S. Customs Service. Such seals shall be broken only by such an inspector or other person authorized to do so by the Administrator. Such products shall not be removed from the approved warehouse[14] or approved establishment[14] except upon special permission by the Administrator, and upon compliance with all the conditions and requirements specified by him for such movement in each specific case.

(3) Milk and milk products not exempted under paragraph (a) and not of classes included within the provisions of paragraphs (b)(1) or (2) of this section may be imported if the importer first applies to and receives written permission from the Administrator, authorizing such importation. Permission will be granted only when the Administrator determines that such action will not endanger the health of the livestock of the United States. Products subject to this provision include but are not limited to condensed milk, long-life milks such as sterilized milk, casein and caseinates, lactose, and lactalbumin.

(4) Small amounts of milk and milk products subject to the restrictions of this part may in specific cases be imported for purposes of examination, testing, or analysis, if the importer applies to and receives written approval for such importation from the Administrator. Approval will be granted only when the Administrator determines that such action will not endanger the health of the livestock of the United States.

(c) Milk and milk products originating in and shipped from regions listed in §94.1(a)(2) as free of rinderpest and foot-and-mouth disease but which have entered a port or otherwise transited any region designated in §94.1(a)(1) as a region infected with rinderpest or foot-and-mouth disease shall not be imported into the United States unless:

(1) The product was transported under serially numbered official seals applied at the point of origin of the shipment by an authorized representative of the region of such origin; except that, if any seal applied at the point of origin was broken by any foreign official to inspect the shipment, an authorized representative of that region applied a new serially numbered official seal to the hold, compartment, or container in which the milk or milk products were transported; and if any member of a ship's crew broke a seal, the serial number of the seal, the location of the seal, and the reason for breaking the seal were recorded in the ship's log.

(2) The numbers of such seals are listed on, or are on a list attached to, the bill of lading or similar document accompanying the shipment.

(3) Upon arrival of the carrier at the United States port, an inspector of the Animal and Plant Health Inspection Service determines that the seals are intact and that their numbers are in agreement with the numbers appearing on the accompanying document; *Provided,* That, if the representative finds that any seal has been broken or has a different number than is recorded on the accompanying document, then the milk or milk products may remain eligible for entry into the United States only if APHIS personnel are available to inspect the hold, compartment, or container, the cartons or other containers of milk or milk products, and all accompanying documentation; and the importer furnishes additional documentation (either copies of pages from the ship's log signed by the officer-in-charge, or certification from a foreign government that the original seal was removed and the new seal applied by officials of the government) that demonstrates to the satisfaction of the Administrator that the milk or milk products were not contaminated or exposed to contamination during movement from the region of origin to the United States.

(d) Except for milk and milk products imported from Canada, and except as provided in this paragraph, milk or milk products imported from a region listed in §94.1(a)(2) as free of rinderpest and foot-and-mouth disease must be accompanied by a certificate endorsed by

a full-time, salaried veterinarian employed by the region of export. The certificate must state that the milk was produced and processed in a region listed in §94.1(a)(2), or that the milk product was processed in a region listed in §94.1(a)(2) from milk produced in a region listed in §94.1(a)(2). The certificate must name the region in which the milk was produced and the region in which the milk or milk product was processed. Further, the certificate must state that, except for movement under seal as described in §94.16(c), the milk or milk product has never been in any region in which rinderpest or foot-and-mouth disease exists. Milk or milk products from a region listed in §94.1(a)(2) that were processed in whole or in part from milk or milk products from a region not listed in §94.1(a)(2) may be imported into the United States in accordance with §94.16(b)(3).

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§94.17 Dry-cured pork products from regions where foot-and-mouth disease, rinderpest, African swine fever, hog cholera, or swine vesicular disease exists.

Notwithstanding any other provisions in this part, dry-cured ham, pork shoulder, or pork loin, whether whole or sliced and packaged, shall not be prohibited from being imported into the United States if it meets the following conditions:

(a) Except for Italian-type hams, Serrano hams, Iberian hams, Iberian pork shoulders, and Iberian pork loins that have been processed in accordance with paragraph (i) of this section, the dry-cured ham, pork shoulder, or pork loin came from a swine that was never out of the region in which the dry-cured ham, pork shoulder, or pork loin was processed;

(b) The ham, pork shoulder, or pork loin came from a region determined by the Administrator, to have and to enforce laws requiring the immediate reporting to the national veterinary services in that region any premises found to have any animal infected with foot-and-mouth disease, rinderpest, African Swine fever, hog cholera, or swine vesicular disease;

(c) The ham, pork shoulder, or pork loin came from a swine that was not on any premises where foot-and-mouth disease, rinderpest, African swine fever, hog cholera, or swine vesicular disease exists or had existed within 60 days prior to slaughter;

(d) The whole ham, pork shoulder, or pork loin was accompanied from the slaughtering facility to the processing establishment by a numbered certificate issued by a person authorized by the government of the region of origin stating that the provisions of paragraphs (a) and (c) of this section have been met;

(e) The ham, pork shoulder, or pork loin was processed whole as set forth in paragraph (i) of this section in only one processing establishment;[15]

(f) The ham, pork shoulder, or pork loin was processed whole in a processing establishment that prior to the processing of any hams, pork shoulders, or pork loins in accordance with this section, was inspected by a veterinarian of APHIS and determined by the Administrator, to be capable of meeting the provisions of this section for processing hams, pork shoulders, or pork loins for importation into the United States;

(g) The ham, pork shoulder, or pork loin was processed whole in a processing establishment for which the operator of the establishment has signed an agreement with APHIS prior to receipt of the hams, pork shoulders, or pork loins for processing, stating that all hams, pork shoulders, or pork loins processed for importation into the United States will be processed only in accordance with the provisions of this part;

[15] As a condition of entry into the United States, pork and pork products must also meet all of the requirements of the Federal Meat Inspection Act (21 U.S.C. 601 *et seq.*) and regulations thereunder (9 CFR, chapter III), including requirements that the pork or pork products be prepared only in approved establishments.

(h) Workers who handle fresh pork in the processing establishment where the dry-cured ham, pork shoulder, or pork loin was processed whole are required to shower and put on a full set of clean clothes, or to wait 24 hours after handling fresh pork, before handling hams, pork shoulders, or pork loins that have progressed in the aging/curing process as follows:

(1) In the case of Italian-type hams processed in accordance with paragraph (i)(1) of this section, those that have progressed beyond the final wash stage;

(2) In the case of Serrano hams or Iberian hams or pork shoulders processed in accordance with paragraphs (i)(2), (i)(3), or (i)(4) of this section, those that have progressed beyond salting; and

(3) In the case of Iberian pork loins processed in accordance with paragraph (i)(5) of this section, those that have progressed beyond being placed in a casing.

(i) The dry-cured ham, pork shoulder, or pork loin was processed whole in accordance with this paragraph. Except for pork fat treated to at least 76 °C (168.8 °F), which may have been placed over the meat during curing, the dry-cured pork product must have had no contact with any other meat or animal product during processing.

(1) *Italian-type hams.* The ham was processed for a period of not less than 400 days in accordance with the following conditions: after slaughter the ham was held at a temperature of 0°–3°C. (32°–34.7°F.) for a minimum of 72 hours during which time the ''aitch'' bone and the foot was removed and the blood vessels at the end of the femur were massaged to remove any remaining blood; thereafter the ham was covered with an amount of salt equal to 4–6 percent of the weight of the ham, with a sufficient amount of water added to ensure that the salt had adhered to the ham; thereafter the ham was placed for 5–7 days on racks in a chamber maintained at a temperature of 0°–4°C. (32°–39.2°F.) and at a relative humidity of 70–85 percent; thereafter the ham was covered with an amount of salt equal to 4–6 percent of the weight of the ham, with a sufficient amount of water added to ensure that the salt had adhered to the ham; thereafter the ham was placed for 21 days in a chamber maintained at a temperature of 0°–4°C. (32°–39.2°F.) and at a relative humidity of 70–85 percent; thereafter the salt was brushed off the ham; thereafter the ham was placed in a chamber maintained at a temperature of 1°–6°C. (33.8°–42.8°F.) and at a relative humidity of 65–80 percent for between 52 and 72 days; thereafter the ham was brushed and rinsed with water; thereafter the ham was placed in a chamber for 5–7 days at a temperature of 15°–23°C. (59°–73.4°F.) and a relative humidity of 55–85 percent; thereafter the ham was placed for curing in a chamber maintained for a minimum of 314 days at a temperature of 15°–20°C. (59°–68°F.) and at a relative humidity of 65–80 percent at the beginning and increased by 5 percent every 2½ months until a relative humidity of 85 percent was reached.

(2) *Serrano hams.* Serrano hams were processed as follows (190-day minimum curing process):

(i) If the ham is received frozen, it was thawed in a chamber with relative humidity between 70 and 80 percent, with room temperature maintained at 12 °C to 13 °C (53.6 °F to 55.4 °F) for the first 24 hours, then at 13 °C to 14 °C (55.4 °F to 57.2 °F) until the internal temperature of the ham reached 3 °C to 4 °C (37.4 °F to 39.2 °F), at which point the blood vessels at the end of the femur were massaged to remove any remaining blood.

(ii) The ham was covered in salt and placed in a chamber maintained at a temperature from 0 °C to 4 °C (32 °F to 39.2 °F), with relative humidity between 75 and 95 percent, for a period no less than 0.65 days per kg and no more than 2 days per kg of the weight of the ham.

(iii) The ham was rinsed with water and/or brushed to remove any remaining surface salt.

(iv) The ham was placed in a chamber maintained at a temperature of 0 °C to 6 °C (32 °F to 42.8 °F), with a relative humidity of 70 to 95 percent, for no less than 40 and no more than 60 days;

(v) The ham was placed for curing in a chamber with a relative humidity of 60 to 80 percent and a temperature gradually raised in 3 phases, as follows:

(A) A temperature of 6 °C to 16 °C (42.8 °F to 60.8 °F), maintained for a minimum of 45 days;

(B) A temperature of 16 °C to 24 °C (60.8 °F to 75.2 °F), maintained for a minimum of 35 days;

(C) A temperature of 24 °C to 34 °C (75.2 °F to 93.2 °F), maintained for a minimum of 30 days;

(vi) Finally, with the relative humidity unchanged at 60 to 80 percent, the temperature was lowered to 12 °C to 20 °C (53.6 °F to 68 °F) and maintained at that level for a minimum of 35 days, until at least 190 days after the start of the curing process; *Except that:* In a region where swine vesicular disease exists, the ham must be maintained at that level an additional 370 days, until at least 560 days after the start of the curing process.

(3) *Iberian hams.* Iberian hams were processed as follows (365-day minimum curing process):

(i) If the ham is received frozen, it was thawed in a chamber with relative humidity between 70 and 80 percent, with room temperature maintained at 5.5 °C to 6.5 °C (41.9 °F to 43.7 °F) for the first 24 hours, then at 9.5 °C to 10.5 °C (49.1 °F to 50.9 °F) until the internal temperature of the ham reached 3 °C to 4 °C (37.4 °F to 39.2 °F), at which point the blood vessels at the end of the femur were massaged to remove any remaining blood.

(ii) The ham was covered in salt and placed in a chamber maintained at a temperature from 0 °C to 4 °C (32 °F to 39.2 °F), with relative humidity between 75 and 95 percent, and kept in the chamber for a period no less than 0.65 days per kg and no more than 2 days per kg of the weight of the ham;

(iii) The ham was rinsed with water and/or brushed to remove any remaining surface salt.

(iv) The ham was placed in a chamber maintained at a temperature of 0 °C to 6 °C (32 °F to 42.8 °F), with relative humidity of 70 to 95 percent, for no less than 40 and no more than 60 days.

(v) The ham was placed for curing in a chamber with a temperature of 6 °C to 16 °C (42.8 °F to 60.8 °F) and relative humidity of 60 to 80 percent for a minimum of 90 days.

(vi) The temperature was raised to 16 °C to 26 °C (60.8 °F to 78.8 °F) and the relative humidity reduced to 55 to 85 percent, for a minimum of 90 days.

(vii) Finally, with the relative humidity raised to 60 to 90 percent, the temperature was lowered to 12 °C to 22 °C (53.6 °F to 71.6 °F) and maintained at that level for a minimum of 115 days, until at least 365 days after the start of the curing process; *Except that:* In a region where swine vesicular disease exists, the ham must be maintained at that level an additional 195 days, until at least 560 days after the start of the curing process.

(4) *Iberian pork shoulders.* Iberian pork shoulders were processed as follows (240-day minimum curing process):

(i) If the pork shoulder is received frozen, it was thawed at a room temperature of 12 °C to 13 °C (53.6 °F to 55.4 °F), with the relative humidity between 75 and 85 percent, for approximately 24 hours, until the internal temperature reached 3 °C to 4 °C (37.4 °F to 39.2 °F), at which point the blood vessels in the scapular region were massaged to remove any remaining blood.

(ii) The pork shoulder was covered in salt and placed in a chamber maintained at a temperature of 0 °C to 4 °C (32 °F to 39.2 °F) with the relative humidity between 75 and 95 percent, for a period of no less than 0.65 days per kg and no more than 2 days per kg of the weight of the pork shoulder.

(iii) The pork shoulder was rinsed with water and/or brushed to remove any remaining surface salt.

(iv) The pork shoulder was placed in a chamber maintained at a temperature of 0 °C to 6 °C (32 °F to 42.8 °F) and a relative humidity of 70 to 95 percent for not less than 40 days and not more than 60 days.

(v) The pork shoulder was placed for curing in a chamber at a temperature of 6 °C to 16 °C (42.8 °F to 60.8 °F) and a relative humidity of 60 to 80 percent for a minimum of 90 days.

(vi) The temperature was raised to 16 °C to 26 °C (60.8 °F to 78.8 °F) and the relative humidity was changed to 55 to 85 percent, and those levels were maintained for a minimum of 90 days.

(vii) Finally, the temperature was reduced to 12 °C to 22 °C (53.6 °F to 71.6 °F) and the relative humidity was

raised to 60 to 90 percent for a minimum of 45 days, until at least 240 days after the start of the curing process.

(5) *Iberian pork loins.* Iberian pork loins were processed as follows (130-day minimum curing process):

(i) If the pork loin is received frozen, it was thawed at a room temperature maintained at 11 °C to 12 °C (51.8 °F to 53.6 °F), with the relative humidity between 70 and 80 per cent for the first 24 hours, then between 75 and 85 percent, until the loin's internal temperature reached 3 °C to 4 °C (37.4 °F to 39.2 °F), at which point the external fat, aponeurosis, and tendons were cleaned from the loin.

(ii) The pork loin was covered in a pickle preparation (25–30 grams of salt for each kilogram of pork loin) and placed in a chamber where it was maintained at a relative humidity of 75 to 95 percent and a temperature of 3 °C to 4 °C (37.4 °F to 39.2 °F) for 72 hours.

(iii) The pork loin was removed from the pickle preparation (25–30 grams of salt for each kilogram of pork loin), externally cleaned (brushed or rinsed), placed in an artificial casing, and fastened shut with a metal clip.

(iv) The pork loin was placed for curing in a chamber with a relative humidity of 60 to 90 percent and a temperature gradually raised in 3 phases, as follows:

(A) A temperature of 2 °C to 6 °C (35.6 °F to 42.8 °F), maintained for a minimum of 20 days;

(B) A temperature of 6 °C to 15 °C (42.8 °F to 59.0 °F), maintained for a minimum of 20 days;

(C) A temperature of 15 °C to 25 °C (59.0 °F to 77.0 °F), maintained for a minimum of 40 days;

(v) Finally, with the relative humidity unchanged at 60 to 80 percent and the temperature lowered to 0 °C to 5 °C (32.0 °F to 41.0 °F), the pork loin was vacuum-packed and maintained under those conditions for a minimum of 15 days, until at least 130 days after the start of the curing process.

(j)(1) The whole ham, if it is Italian-type ham processed in accordance with paragraph (i)(1) of this section, bears a hot iron brand or an ink seal (with the identifying number of the slaughtering establishment) which was placed thereon at the slaughtering establishment under the direct supervision of a person authorized to supervise such activity by the veterinary services of the national government of the region of origin, bears a button seal (approved by the Administrator, as being tamper-proof) on the hock that states the month and year the ham entered the processing establishment and a hot iron brand (with the identifying number of the processing establishment and the date salting began) which were placed thereon at the processing establishment immediately prior to salting, under the supervision of a person authorized to supervise such activity by the veterinary services of the national government of the region of origin;

(2) The whole dry-cured ham, if it is processed in accordance with paragraphs (i)(2) or (i)(3) of this section, or the whole dry-cured pork shoulder, if it is processed in accordance with paragraph (i)(4) of this section, bears an ink seal (with the identifying number of the slaughtering establishment) which was placed thereon at the slaughtering establishment under the direct supervision of a person authorized to supervise such activity by the veterinary services of the national government of the region of origin, and an ink seal (with the identifying number of the processing establishment and the date the salting began) which was placed thereon at the processing establishment, immediately prior to salting, under the supervision of a person authorized to supervise such activity by the veterinary services of the national government of the region of origin; or

(3) The whole dry-cured pork loin, if it is processed in accordance with paragraph (i)(5) of this section, is packaged with material that bears a seal of the government of the region of origin which was placed thereon at the slaughtering establishment under the direct supervision of a person authorized to supervise such activity by the veterinary services of the national government of the region of origin, and bears a tamper-proof plastic tag, securely attached to the pork loin itself, that states the identifying number of the slaughtering establishment and the date the pork loin was placed in the

pickle preparation under the supervision of a person authorized to supervise such activity by the veterinary service of the national government of the region of origin.

(k) The whole dry-cured ham, pork shoulder, or pork loin came from an establishment where a person authorized by the veterinary services of the national government of the region of origin to conduct activities under this paragraph, maintained original records (which shall be kept for a minimum of two years) identifying the dry-cured ham, pork shoulder, or pork loin by the date it entered the processing establishment, by the slaughtering facility from which it came, and by the number of the certificate which accompanied the dry-cured ham, pork shoulder, or pork loin from the slaughtering facility to the processing establishment, and where such original records are maintained under lock and key by such person, with access to such original records restricted to officials of the government of the region of origin, officials of the United States Government, and such person maintaining the records;

(l) The whole dry-cured ham, pork shoulder, or pork loin came from a processing establishment which allows the unannounced entry into the establishment of APHIS personnel, or other persons authorized by the Administrator, for the purpose of inspecting the establishment and records of the establishment;

(m) The dry-cured ham, pork shoulder, or pork loin was processed in accordance with one of the following criteria: (1) The ham, if it is an Italian-type ham processed in accordance with paragraph (i)(1) of this section, was processed in a region which has been determined by the Administrator, to be free of rinderpest, and which has through its veterinary services submitted to the Administrator, a written statement stating that it conducts a program to authorize persons to supervise activities specified under this section;

(2) The Serrano ham, processed in accordance with paragraph (i)(2) of this section, and came from any breed of large, white swine, including but not limited to Landrace, Pietrain, Duroc, Jersey, Hampshire, and Yorkshire breeds, and crosses of such breeds;

(3) The Iberian ham, processed in accordance with paragraph (i)(3) of this section, and came from a swine of the Iberico breed of pigs;

(4) The Iberian pork shoulder, processed in accordance with paragraph (i)(4) of this section, and came from a swine of the Iberico breed of pigs;

(5) The Iberian pork loin, if processed in accordance with paragraph (i)(5) of this section, and came from a swine of the Iberico breed of pigs.

(n) The whole dry-cured ham, pork shoulder, or pork loin came from a processing establishment that has entered into a cooperative service agreement executed by the operator of the establishment or a representative of the establishment and APHIS, and that pursuant to the cooperative service agreement is current in paying all costs for a veterinarian of APHIS to inspect the establishment (it is anticipated that such inspections will occur up to four times per year), including travel, salary, subsistence, administrative overhead, and other incidental expenses (including an excess baggage provision up to 150 pounds). In accordance with the terms of the cooperative service agreement, the operator of the processing establishment shall deposit with the Administrator, an amount equal to the approximate costs for a veterinarian to inspect the establishment one time, including travel, salary, subsistence, administrative overhead and other incidental expenses (including an excess baggage provision up to 150 pounds), and as funds from that amount are obligated, bills for costs incurred based on official accounting records will be issued to restore the deposit to its original level. Amounts to restore the deposit to its original level shall be paid within 14 days of receipt of such bills.

(o) The dry-cured ham, pork shoulder, or pork loin is accompanied at the time of importation into the United States by a certificate issued by a person authorized to issue such certificates by the veterinary services of the national government of the region of origin, stating:

(1) That all the provisions of this section have been complied with, including paragraphs (i) and (m) of this section;

(2) The paragraph of this section under which the dry-cured ham, pork shoulder, or pork loin was processed; and stating further that, if the product covered by the certificate:

(i) Is an Italian-type ham processed under paragraph (i)(1) of this section, it was processed for a minimum of 400 days;

(ii) Is a Serrano ham processed under paragraph (i)(2) of this section, it was:

(A) Processed for a minimum of 190 days in a region free of swine vesicular disease, in a facility authorized by the veterinary services of the national government of that region to process only meat from regions free of swine vesicular disease; or,

(B) Processed for a minimum of 560 days in any region, in a facility that may also process meat from regions where swine vesicular disease exists;

(iii) Is an Iberian ham processed under paragraph (i)(3) of this section, it was:

(A) Processed for a minimum of 365 days in a region free of swine vesicular disease, in a facility authorized by the veterinary services of the national government of that region to process only meat from regions free of swine vesicular disease; or,

(B) Processed for a minimum of 560 days in any region, in a facility that may also process meat from regions where swine vesicular disease exists;

(iv) Is a dry-cured pork shoulder, it was processed in accordance with paragraph (i)(4) of this section for a minimum of 240 days; or

(v) Is a dry-cured pork loin, it was processed in accordance with paragraph (i)(5) of this section for a minimum of 130 days.

(p) Whole hams, pork shoulders, and pork loins that have been dry-cured in accordance with paragraph (i) of this section may be transported to a facility in the same region for slicing and packaging in accordance with this paragraph.

(1) *The slicing/packaging facility*. (i) The slicing/packaging facility[16] must be inspected, prior to slicing and packaging any hams, pork shoulders, or pork loins in accordance with this paragraph, by an APHIS representative and determined by the Administrator to be capable of meeting the provisions of this paragraph.

(ii) The slicing/packaging facility must be either in a separate, physically detached building, or in a separate room in the facility where the whole ham, pork shoulder, or pork loin was dry-cured in accordance with paragraph (i) of this section. If the slicing/packaging facility is in a separate room, the room must have no direct access to areas in the facility where pork is cured and dried and it must be capable of being closed off from the rest of the facility so unauthorized individuals cannot enter.

(iii) The slicing/packaging facility, including all equipment used to handle pork and pork products, such as containers, work surfaces, slicing machines, and packaging equipment, must be cleaned and disinfected after sliced and packaged pork products that are not eligible for export to the United States leave the facility, and before whole dry-cured hams, pork shoulders, or pork intended for importation into the United States enter the facility for slicing and packaging. Cleaning and disinfecting must be adequate to ensure that disease agents of concern are killed or inactivated and that pork products intended for importation into the United States are not contaminated.

(iv) The slicing/packaging facility must maintain under lock and key for a minimum of 2 years, original records on each lot of whole dry-cured hams, pork shoulders, and pork loins entering the facility for slicing and packaging under this section, including:

(A) The approval number of the facility where the whole ham, shoulder, or loin was dry-cured in accordance with paragraph (i) of this section;

(B) The date the whole ham, shoulder, or loin started dry-curing;

(C) The date the whole ham, shoulder, or loin completed dry-curing;

(D) The date the whole ham, shoulder, or loin was sliced and packaged; and

[16] See footnote 15 in §94.17(e) of this part.

(E) A copy of all certifications required under paragraph (p) of this section.

(v) Access to records required to be maintained under paragraph (p) of this section must be restricted to officials of the national government of the region of origin, representatives of the United States Government, and persons maintaining the records.

(vi) The operator of the slicing/packaging facility must have signed a cooperative service agreement with APHIS prior to receipt of the whole dry-cured hams, pork shoulders, or pork loins for slicing and packaging, stating that all hams, pork shoulders, or pork loins sliced and packaged at the facility for importation into the United States will be sliced and packaged only in accordance with this section.

(vii) The operator of the slicing/packaging facility must be current, in accordance with the terms of the cooperative service agreement signed with APHIS, in paying all costs for an APHIS representative to inspect the establishment, including travel, salary, subsistence, administrative overhead, and other incidental expenses.

(viii) The slicing/packaging facility must allow the unannounced entry into the establishment of APHIS representatives, or other persons authorized by the Administrator, for the purpose of inspecting the establishment and records of the establishment.

(ix) Workers at the slicing/packaging facility who handle pork or pork products in the facility must shower and put on a full set of clean clothes, or wait 24 hours after handling pork or pork products that are not eligible for importation into the United States, before handling dry-cured hams, pork shoulders, or pork loins in the slicing/packaging facility that are intended for importation into the United States.

(x) Pork products intended for importation into the United States may not be in the slicing/packaging facility at the same time as pork products not intended for exportation to the United States.

(2) *Slicing and packaging and labeling procedures.* (i) A full-time salaried veterinarian employed by the national government of the region of origin must inspect each lot of whole dry-cured hams, pork shoulders, and pork loins at the slicing/packaging facility, before slicing is begun, and must certify in English that it is eligible for importation into the United States in accordance with this section; and

(ii) Either a full-time salaried veterinarian employed by the national government of the region of origin, or, if the national government of the region of origin recognizes a local consortium as responsible for product quality, a representative of that local consortium, must certify in English that he or she personally supervised the entire process of slicing and packaging each lot of dry-cured hams, pork shoulders, and pork loins at the slicing/packaging facility; that each lot of dry-cured hams, pork shoulders, and pork loins was sliced and packaged in accordance with the requirements of this paragraph; and that the sliced and packaged pork ham, shoulder, or loin is the same dry-cured ham, pork shoulder, or pork loin certified under paragraph (p)(2)(i).

(iii) The sliced and packaged dry-cured pork ham, pork shoulder, or pork loin must be labeled with the date that processing of the meat under paragraph (i) of this section began, and with the date the meat was sliced and packaged.

(Approved by the Office of Management and Budget under control number 0579–0015)

[52 FR 11625, Apr. 10, 1987, as amended at 53 FR 48520, Dec. 1, 1988; 54 FR 7395, Feb. 21, 1989, 59 FR 55024, Nov. 3, 1994; 59 FR 67134, Dec. 29, 1994; 62 FR 46181, Sept. 2, 1997; 62 FR 56023, Oct. 28, 1997; 62 FR 61004, Nov. 14, 1997; 64 FR 38550, July 19, 1999]

§ 94.18 Restrictions on importation of meat and edible products from ruminants due to bovine spongiform encephalopathy.

(a)(1) Bovine spongiform encephalopathy exists in the following regions: Belgium, France, the Republic of Ireland, Liechtenstein, Luxembourg, Oman, The Netherlands, Portugal, Switzerland, and the United Kingdom.

(2) The following regions, because of import requirements less restrictive than those that would be acceptable for import into the United States and/or because of inadequate surveillance, present an undue risk of introducing bovine spongiform encephalopathy into

the United States: Albania, Austria, Bosnia-Herzegovina, Bulgaria, Croatia, the Czech Republic, Denmark, the Federal Republic of Yugoslavia, Finland, Germany, Greece, Hungary, Italy, the Former Yugoslav Republic of Macedonia, Norway, Poland, Romania, the Slovak Republic, Slovenia, Spain, and Sweden.

(3) A region may request at any time that the Administrator consider its removal from a list set forth in paragraphs (a)(1) or (a)(2) of this section by following the procedures set forth in §§92.2(b) (1) through (4), 92.2(b) (5) through (11), and 92.2(c) of this chapter.

(b) Except as provided in paragraph (d) of this section, the importation of fresh, frozen, and chilled meat, meat products, and edible products other than meat (excluding gelatin, milk, and milk products), from ruminants that have been in any of the countries listed in paragraph (a) of this section is prohibited.

(c) *Gelatin.* The importation of gelatin derived from ruminants that have been in any region listed in paragraph (a) of this section is prohibited unless the following conditions have been met:

(1) The gelatin must be imported for use in human food, human pharmaceutical products, photography, or some other use that will not result in the gelatin coming in contact with ruminants in the United States.

(2) The person importing the gelatin must obtain a United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors by filing a permit application on VS form 16–3.[17]

(3) The permit application must state the intended use of the gelatin and the name and address of the consignee in the United States.

(d) *Transit shipment of articles.* Fresh (chilled or frozen) meat, and edible products other than meat, that are prohibited importation into the United States in accordance with this section may transit the United States for immediate export if the following conditions are met:

(1) The person moving the articles must obtain a United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors by filing a permit application on VS form 16–3.[18]

(2) The articles must be sealed in leakproof containers bearing serial numbers during transit. Each container must remain sealed during the entire time that it is in the United States.

(3) The person moving the articles shall notify, in writing, the Plant Protection and Quarantine Officer at both the place in the United States where the articles will arrive and the port of export prior to such transit. The notification must include the:

(i) United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors permit number;

(ii) Times and dates of arrival in the United States;

(iii) Times and dates of exportation from the United States;

(iv) Mode of transportation; and

(v) Serial numbers of the sealed containers.

(4) The articles must transit the United States in Customs bond.

(Approved by the Office of Management and Budget under control number 0579-0015)

[56 FR 63868, Dec. 6, 1991, as amended at 58 FR 65104, Dec. 13, 1993; 59 FR 24638, May 12, 1994; 59 FR 67616, Dec. 30, 1994; 62 FR 18264, Apr. 15, 1997; 62 FR 46181, Sept. 2, 1997; 62 FR 56023, Oct. 28, 1997; 62 FR 61434, Nov. 18, 1997; 62 FR 66000, Dec. 17, 1997; 63 FR 408, Jan. 6, 1998; 63 FR 4347, Jan. 28, 1998; 63 FR 71210, Dec. 24, 1998; 64 FR 38550, July 19, 1999]

§94.19 Gelatin derived from horses or swine, or from ruminants that have not been in any region where bovine spongiform encephalopathy exists.

Gelatin derived from horses or swine, or from ruminants that have not been in any region listed in §94.18(a) of this part, must be accompanied at the time

[17] VS form 16–3 may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

[18] VS form 16–3 may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

of importation into the United States by an official certificate issued by a veterinarian employed by the national government of the region of origin. The official certificate must state the species of animal from which the gelatin is derived and, if the gelatin is derived from ruminants, certify that the gelatin is not derived from ruminants that have been in any region listed in § 94.18(a).

(Approved by the Office of Management and Budget under control number 0579–0015)

[58 FR 50251, Sept. 27, 1993, as amended at 59 FR 67134, Dec. 29, 1994; 62 FR 56023, Oct. 28, 1997]

§ 94.20 Importation of pork from Sonora, Mexico.

Notwithstanding any other provisions of this part, fresh (chilled or frozen) pork from the State of Sonora, Mexico, may be imported into the United States under the following conditions:

(a) The pork is meat from swine that have been born, raised and slaughtered in Sonora;

(b) The pork has not been in contact with pork from regions other than those listed in § 94.9(a) as regions where hog cholera is not known to exist; and

(c) An authorized official of Mexico certifies on the foreign meat inspection certificate required by § 327.4 of this title that the above conditions have been met.

[62 FR 25443, May 9, 1997, as amended at 62 FR 56023, Oct. 28, 1997]

§ 94.21 Restrictions on importation of beef from Argentina.

Notwithstanding any other provisions of this part, fresh (chilled or frozen) beef from Argentina may be exported to the United States under the following conditions:

(a) The meat is beef that originated in Argentina;

(b) The meat came from bovines that were moved directly from the premises of origin to the slaughterhouse without any contact with other animals;

(c) The meat has not been in contact with meat from regions other than those listed in § 94.1(a)(2);

(d) The meat came from bovines that originated from premises where foot-and-mouth disease and rinderpest have not been present during the lifetime of any bovines slaughtered for export of meat;

(e) Foot-and-mouth disease has not been diagnosed in Argentina within the previous 12 months;

(f) The meat came from bovines that originated from premises on which ruminants or swine have not been vaccinated with modified or attenuated live viruses for foot-and-mouth disease at any time during the lifetime of the bovines slaughtered for export of meat;

(g) The meat came from bovines that have not been vaccinated for rinderpest at any time during the lifetime of any of the bovines slaughtered for export of meat;

(h) The meat came from bovine carcasses that have been allowed to maturate at 40 to 50 °F (4 to 10 °C) for a minimum of 36 hours after slaughter and have reached a pH of 5.8 or less in the loin muscle at the end of the maturation period. Any carcass in which the pH does not reach 5.8 or less may be allowed to maturate an additional 24 hours and be retested, and, if the carcass still does not reach a pH of 5.8 or less after 60 hours, the meat from the carcass may not be exported to the United States;

(i) All bone, blood clots, and lymphoid tissue have been removed from the meat; and

(j) An authorized official of Argentina certifies on the foreign meat inspection certificate that the above conditions have been met.

[62 FR 34394, June 26, 1997, as amended at 62 FR 56024, Oct. 28, 1997]

PART 95—SANITARY CONTROL OF ANIMAL BYPRODUCTS (EXCEPT CASINGS), AND HAY AND STRAW, OFFERED FOR ENTRY INTO THE UNITED STATES

Sec.

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95.27 Regulations applicable to products from Territorial possessions.
95.28 Hay or straw and similar material from tick-infested areas.

AUTHORITY: 21 U.S.C. 111, 136, and 136a; 31 U.S.C. 9701; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5981, June 13, 1963, unless otherwise noted.

§95.1 Definitions.

Whenever in the regulations in this part the following words, names, or terms are used they shall be construed, respectively, to mean:

Administrator means the Administrator, Animal and Plant Health Inspection Service, or any individual authorized to act for the Administrator.

Animal and Plant Health Inspection Service means the Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Animal byproducts means hides, skins, hair, wool, glue stock, bones, hoofs, horns, bone meal, hoof meal, horn meal, blood meal, meat meal, tankage, glands, organs, or other parts or products of ruminants and swine unsuitable for human consumption.

Approved chlorinating equipment means equipment approved by Veterinary Services as efficient for the disinfection of effluents against the contagions of foot-and-mouth disease and rinderpest.

Approved establishment means an establishment approved by Veterinary Services for the receipt and handling of restricted import animal byproducts.

Approved sewerage system means a drainage system equipped and operated so as to carry and dispose of sewage without endangering livestock through the contamination of streams or fields and approved by the Veterinary Services.

Approved warehouse means a warehouse having facilities approved by Veterinary Services for the handling and storage, apart from other merchandise, of restricted import products.

Blood meal means dried blood of animals.

Bone meal means ground animal bones and hoof meal and horn meal.

Department means the United States Department of Agriculture.

Deputy Administrator of Veterinary Services means the Deputy Administrator of Veterinary Services.

Glue stock means fleshings, hide cuttings and parings, tendons, or other collagenous parts of animal carcasses.

Hay and straw means dried grasses, clovers, legumes, and similar materials or stalks or stems of various grains, such as barley, oats, rice, rye, and wheat.

Inspector means an inspector of Veterinary Services.

Meat meal or tankage means the rendered and dried carcasses or parts of the carcasses of animals.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

United States means the several States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other territories and possessions of the United States.

Veterinary Services means the Veterinary Services unit of the Animal and Plant Health Inspection Service, United States Department of Agriculture.

[28 FR 5981, June 13, 1963, as amended at 56 FR 19796, Apr. 30, 1991; 56 FR 63869, Dec. 6, 1991; 62 FR 56024, Oct. 28, 1997]

§ 95.2 Region of origin.

No products or materials specified in the regulations in this part shall be imported unless there be shown upon the commercial invoice, or in some other manner satisfactory to the Deputy Administrator, Veterinary Services, the name of the region of origin of such product or material: *Provided,* That the region of origin shall be construed to mean (a) in the case of an animal byproduct, the region in which such product was taken from an animal or animals, and (b) in the case of other materials, the region in which such materials were produced.

[28 FR 5981, June 13, 1963, as amended at 62 FR 56024, Oct. 28, 1997]

§ 95.3 Byproducts from diseased animals prohibited.

The importation of any animal byproduct taken or removed from an animal affected with anthrax, foot-and-mouth disease, or rinderpest is prohibited.

§ 95.4 Bone meal, blood meal, meat meal, offal, fat, glands, and serum from ruminants that have been in regions in which bovine spongiform encephalopathy exists.

(a) Except as provided in paragraphs (c) and (d) of this section, the importation of bone meal, blood meal, meat meal or tankage, offal, fat, and glands from ruminants that have been in any region listed in §94.18 of this chapter, is prohibited.

(b) Except as provided in paragraphs (c) and (d) of this section, the importation of serum from ruminants that have been in any region listed in §94.18 of this chapter is prohibited, except that serum from ruminants may be imported for scientific, educational, or research purposes if the Administrator determines that the importation can be made under conditions that will prevent the introduction of bovine spongiform encephalopathy into the United States. Serum from ruminants imported in accordance with this paragraph must be accompanied by a permit issued by the Animal and Plant Health Inspection Service in accordance with §104.4 of this chapter, and must be moved and handled as specified on the permit.

(c) *Articles for cosmetics.* The importation of collagen, collagen products, amniotic liquids or extracts, placental liquids or extracts, serum albumin, and serocolostrum, derived from ruminants that have been in any region listed in §94.18 of this chapter is prohibited unless the following conditions have been met:

(1) The article must be imported for use as an ingredient in cosmetics.

(2) The person importing the article must obtain a United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors by filing a permit application on VS form 16–3.[1]

(3) The permit application must state the intended use of the article and the

[1] VS form 16–3 may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

name and address of the consignee in the United States.

(d) *Transit shipment of articles.* Articles that are prohibited importation into the United States in accordance with this section may transit the United States for immediate export if the following conditions are met:

(1) The person moving the articles must obtain a United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors by filing a permit application on VS form 16–3.[2]

(2) The articles must be sealed in leakproof containers bearing serial numbers during transit. Each container must remain sealed during the entire time that it is in the United States.

(3) The person moving the articles shall notify, in writing, the Plant Protection and Quarantine Officer at both the place in the United States where the articles will arrive and the port of export prior to such transit. The notification must include the:

(i) United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors permit number;

(ii) Times and dates of arrival in the United States;

(iii) Times and dates of exportation from the United States;

(iv) Mode of transportation; and

(v) Serial numbers of the sealed containers.

(4) The articles must transit the United States in Customs bond.

(Approved by the Office of Management and Budget under control number 0579–0015)

[56 FR 63869, Dec. 6, 1991, as amended at 62 FR 56024, Oct. 28, 1997]

§ 95.5 Untanned hides and skins; requirements for unrestricted entry.

Untanned hides and/or skins of cattle, buffalo, sheep, goats, other ruminants, and swine which do not meet the conditions of requirements specified in any one of paragraphs (a) to (e) of this section shall not be imported except subject to handling and treatment in accordance with § 95.6 after arrival at the port of entry:

(a) Hides or skins originating in and shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest may be imported without further restriction.

(b) Hides or skins may be imported without other restriction if found upon inspection by an inspector, or by certificate of the shipper or importer satisfactory to said inspector, to be hard dried hides or skins.

(c) Abattoir hides or skins taken from animals slaughtered under national government inspection in a region[1] and in an abattoir in which is maintained an inspection service determined by the Secretary of Agriculture to be adequate to assure that they have been removed from animals found at time of slaughter to be free from anthrax, foot-and-mouth disease, and rinderpest, and to assure further the identity of such materials until loaded upon the transporting vessel, may be imported without other restriction if accompanied by a certificate bearing the seal of the proper department of such national government and signed by an official veterinary inspector of such region showing that the therein described hides or skins were taken from animals slaughtered in such specified abattoir and found free from anthrax, foot-and-mouth disease, and rinderpest.

(d) Hides or skins may be imported without other restriction if shown upon inspection by an inspector, or by certificate of the shipper or importer satisfactory to said inspector, to have been pickled in a solution of salt containing mineral acid and packed in barrels, casks, or tight cases while still wet with such solution.

(e) Hides or skins may be imported without other restriction if shown upon inspection by an inspector, or by certificate of the shipper or importer satisfactory to said inspector, to have

[2] VS form 16–3 may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

[1] Names of regions of this character will be furnished upon request to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231.

been treated with lime in such manner and for such period as to have become dehaired and to have reached the stage of preparation for immediate manufacture into products ordinarily made from rawhide.

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[28 FR 5981, June 13, 1963, as amended at 48 FR 57472, Dec. 30, 1983; 62 FR 56024, Oct. 28, 1997]

§ 95.6 Untanned hides and skins; importations permitted subject to restrictions.

Hides or skins offered for importation which do not meet the conditions or requirements of §95.5 shall be handled and treated in the following manner after arrival at the port of entry:

(a) They shall be consigned from the coast or border port of arrival to an approved establishment and shall be subject to disinfection by such method or methods as the Deputy Administrator, Veterinary Services may prescribe unless the said establishment discharges drainage into an approved sewerage system or has an approved chlorinating equipment adequate for the proper disinfection of effluents: *Provided, however,* That upon permission of the Deputy Administrator, Veterinary Services such hides or skins may be stored for a temporary period in approved warehouses under bond, and under the supervision of an inspector: *And provided further,* That I. T. or inbound shipments of hides or skins may go forward under customs seals from a coast or border port of arrival, with the approval of an inspector at said port, to another port in the United States for consumption entry subject to the other provisions of this section.

(b) They shall be moved from the coast or border port of arrival or, in case of I. T. or in-bound shipments, from the interior port to the approved establishment in cars or trucks or in vessel compartments with no other materials contained therein, sealed with seals of the Department, which shall not be broken except by inspectors or other persons authorized by the Deputy Administrator, Veterinary Services so to do, or without sealing as aforesaid and with other freight when packed in tight cases or casks acceptable to the inspector in charge at the port of entry.

(c) They shall be handled at the approved establishment under the direction of an inspector in a manner approved by the Deputy Administrator, Veterinary Services to guard against the dissemination of foot-and-mouth disease and rinderpest. They shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said hides and skins from the port of arrival to the said establishment.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.7 Wool, hair, and bristles; requirements for unrestricted entry.

Wool, hair, or bristles derived from ruminants and/or swine which do not meet the conditions or requirements specified in any one of paragraphs (a) to (d) of this section shall not be imported except subject to handling and treatment in accordance with §95.8 after their arrival at the port of entry: *Provided, however,* That no bloodstained wool, hair, or bristles shall be imported under any condition:

(a) Such wool, hair, or bristles may be imported without other restriction if originating in and shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest.

(b) Wool or hair clipped from live animals or pulled wool or hair may be imported without other restriction if the said wool or hair is reasonably free from animal manure in the form of dung locks or otherwise.

(c) Wool, hair, or bristles taken from sheep, goats, cattle, or swine, when such animals have been slaughtered under national government inspection in a region[1] and in an abattoir in which is maintained an inspection service determined by the Secretary of Agriculture to be adequate to assure that such materials have been removed

[1] See footnote 1 to §95.5.

from animals found at time of slaughter to be free from anthrax, foot-and-mouth disease, and rinderpest, and to assure further the identity of such materials until loaded upon the transporting vessel, may be imported without other restriction if accompanied by a certificate bearing the seal of the proper department of said national government and signed by an official veterinary inspector of such region showing that the therein described wool, hair, or bristles were taken from animals slaughtered in such specified abattoir and found free from anthrax, foot-and-mouth disease, and rinderpest.

(d) Wool, hair, or bristles which have been scoured, thoroughly washed, or dyed may be imported without other restriction.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended at 48 FR 57472, Dec. 30, 1983; 62 FR 56024, Oct. 28, 1997]

§ 95.8 Wool, hair, and bristles; importations permitted subject to restrictions.

Wool, hair, or bristles offered for importation which do not meet the conditions or requirements of § 95.7 shall be handled and treated in the following manner after arrival at the port of entry:

(a) Such wool, hair, or bristles shall be consigned from the coast or border port of arrival to an approved establishment: *Provided, however,* That upon permission by the Deputy Administrator, Veterinary Services such wool, hair, or bristles may be stored for a temporary period in approved warehouses under bond and under the supervision of an inspector: *And provided further,* That I. T. on in-bond shipments of wool, hair, or bristles may go forward under customs seals from a coast or border port of arrival, with the approval of an inspector at said port, to another port for consumption entry, subject to the other provisions of this section.

(b) Such wool, hair, or bristles shall be moved from the coast or border port of arrival or, in the case of I. T. or in-bond shipments, from the interior port to the establishment in cars or trucks or in vessel compartments with no other materials contained therein, sealed with seals of the Department, which shall not be broken except by inspectors or other persons authorized by the Deputy Administrator, Veterinary Services so to do, or without sealing as aforesaid and with other freight when packed in tight cases acceptable to an inspector.

(c) Such wool, hair, or bristles shall be handled at the establishment under the direction of an inspector in a manner approved by the Deputy Administrator, Veterinary Services to guard against the dissemination of foot-and-mouth disease and rinderpest. Such products shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said wool, hair, or bristles from the port of arrival to the said establishment.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.9 Glue stock; requirements for unrestricted entry.

Glue stock which does not meet the conditions or requirements specified in any one of paragraphs (a) to (c) of this section shall not be imported except subject to handling and treatment in accordance with § 95.10 after arrival at the port of entry:

(a) Glue stock originating in and shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest may be imported without other restriction.

(b) Glue stock may be imported without other restriction if found upon inspection by an inspector, or by certificate of the shipper or importer satisfactory to said inspector, to have been properly treated by acidulation or by soaking in milk of lime or a lime paste; or to have been dried so as to render each piece of the hardness of a sun-dried hide.

(c) Glue stock taken from cattle, sheep, goats, or swine slaughtered under national government inspection

in a region[1] and in an abattoir in which is maintained an inspection service determined by the Secretary of Agriculture to be adequate to assure that such materials have been removed from animals found at time of slaughter to be free from anthrax, foot-and-mouth disease, and rinderpest, and to assure further the identity of such materials until loaded upon the transporting vessel, may be imported without other restriction if accompanied by a certificate bearing the seal of the proper department of said national government and signed by an official veterinary inspector of such region showing that the therein described glue stock was taken from animals slaughtered in such specified abattoir and found free from anthrax foot-and-mouth disease, and rinderpest.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended at 48 FR 57472, Dec. 30, 1983; 62 FR 56024, Oct. 28, 1997]

§ 95.10 Glue stock; importations permitted subject to restrictions.

Glue stock offered for importation which does not meet the conditions or requirements of § 95.9 shall be handled and treated in the following manner after arrival at the port of entry:

(a) It shall be consigned from the coast or border port of arrival to an approved establishment and shall be subject to disinfection by such method or methods as the Deputy Administrator, Veterinary Services may prescribe unless the said establishment discharges drainage into an approved sewerage system or has an approved chlorinating equipment adequate for the proper disinfection of effluents: *Provided, however,* That upon permission by the Deputy Administrator, Veterinary Services glue stock may be stored for a temporary period in approved warehouses under bond and under the supervision of an inspector: *And provided further,* That I. T. or in-bond shipments of glue stock may go forward under customs seals from a coast or border port of arrival with the approval of an inspector at said port to another port for consumption entry, subject, after arrival at the latter port, to the other provisions of this section.

(b) It shall be moved from the coast or border port of arrival or, in case of I. T. or in-bond shipments, from the interior port to the establishment in cars or trucks or in vessel compartments with no other materials contained therein, sealed with seals of the Department, which shall not be broken except by inspectors or other persons authorized by the Deputy Administrator, Veterinary Services so to do, or without sealing as aforesaid and with other freight when packed in tight cases or casks acceptable to an inspector at port of entry.

(c) It shall be handled at the establishment under the direction of an inspector in a manner approved by the Deputy Administrator, Veterinary Services to guard against the dissemination of foot-and-mouth disease and rinderpest. It shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said glue stock from the port of arrival to the said establishment.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.11 Bones, horns, and hoofs for trophies or museums; disinfected hoofs.

(a) Clean, dry bones, horns, and hoofs, that are free from undried pieces of hide, flesh, and sinew and are offered for entry as trophies or for consignment to museums may be imported without other restrictions.

(b) Clean, dry hoofs disinfected in the region of origin may be imported without other restrictions if the following conditions are met:

(1) The hoofs have been disinfected using one of the following methods:

(i) Dry heat at 180°F (82.2°C) for 30 minutes;

(ii) Soaking in boiling water for 20 minutes;

(iii) Soaking in a 0.1 percent chlorine bleach solution for 2 hours;

[1] See footnote 1 to § 95.5.

(iv) Soaking in a 5 percent acetic acid solution for 2 hours; or

(v) Soaking in a 5 percent hydrogen peroxide solution for 2 hours.

(2) The hoofs are accompanied by a certificate issued by the national government of the region of origin and signed by an official veterinary inspector of that region stating that the hoofs have been disinfected and describing the manner in which the disinfection was accomplished.

[28 FR 5981, June 13, 1963, as amended at 59 FR 9400, Feb. 28, 1994; 62 FR 56024, Oct. 28, 1997]

§ 95.12 Bones, horns, and hoofs; importations permitted subject to restrictions.

Bones, horns, and hoofs offered for importation which do not meet the conditions or requirements of § 95.11 shall be handled and treated in the following manner after arrival at the port of entry:

(a) They shall be consigned from the coast or border port of arrival to an approved establishment having facilities for their disinfection or their conversion into products customarily made from bones, horns, or hoofs: *Provided, however,* That I. T. or in-bond shipments of bones, horns, or hoofs may go forward under customs seals from a coast or border port of arrival, with the approval of an inspector at said port, to another port for consumption entry subject to the other provisions of this section.

(b) They shall be moved from the coast or border port of arrival or, in case of I. T. or in-bond shipments, from the interior port to the establishment in cars or trucks with no other materials contained therein, sealed with seals of the Department, which shall not be broken except by inspectors or other persons authorized by the Deputy Administrator, Veterinary Services so to do, or without sealing as aforesaid and with other freight when packed in tight cases or casks acceptable to an inspector at the port of entry.

(c) They shall be handled at the establishment under the direction of an inspector in a manner to guard against the dissemination of anthrax, foot-and-mouth disease, and rinderpest, and the bags, burlap, or other containers thereof, before leaving the establishment, shall be disinfected by heat or otherwise, as directed by the Deputy Administrator, Veterinary Services or burned at the establishment. They shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said bones, horns, and hoofs.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.13 Bone meal for use as fertilizer or as feed for domestic animals; requirements for entry.

Steamed or degelatinized or special steamed bone meal, which, in the normal process of manufacture, has been prepared by heating bone under a minimum of 20 pounds steam pressure for at least one hour at a temperature of not less than 250° Fahrenheit (121° Centigrade), may be imported without further restrictions for use as fertilizer or as feed for domestic animals if such products are free from pieces of bone, hide, flesh, and sinew and contain no more than traces of hair and wool. Bone meal for use as fertilizer or as feed for domestic animals which does not meet these requirements will not be eligible for entry.

§ 95.14 Blood meal, tankage, meat meal, and similar products, for use as fertilizer or animal feed; requirements for entry.

Dried blood or blood meal, lungs or other organs, tankage, meat meal, wool waste, wool manure, and similar products, for use as fertilizer or as feed for domestic animals, shall not be imported except subject to handling and treatment in accordance with paragraphs (a), (b), and (c) of § 95.16, unless:

(a) Such products originated in and were shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest; or

(b) The inspector at the port of entry finds that such products have been

fully processed by tanking under live steam or by dry rendering.

[28 FR 5981, June 13, 1963, as amended at 62 FR 56024, Oct. 28, 1997]

§ 95.15 Blood meal, blood albumin, intestines, and other animal byproducts for industrial use; requirements for unrestricted entry.

Blood meal, blood albumin, bone meal, intestines, or other animal materials intended for use in the industrial arts shall not be imported except subject to handling and treatment in accordance with § 95.16, unless such products originated in and were shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994; 62 FR 56024, Oct. 28, 1997]

§ 95.16 Blood meal, blood albumin, intestines, and other animal byproducts for industrial use; importations permitted subject to restrictions.

Blood meal, blood albumin, bone meal, intestines, or other animal materials intended for use in the industrial arts, which do not meet the conditions or requirements of § 95.15 shall be handled and treated in the following manner after arrival at the port of entry.

(a) They shall be consigned from the coast or border port of arrival to an approved establishment: *Provided, however,* That upon permission by the Deputy Administrator, Veterinary Services they may be stored for a temporary period in approved warehouses under bond and under the supervision of an inspector: *And provided further,* That I. T. or in-bond shipments of such products may go forward under customs seals from a coast or border port of arrival, with the approval of an inspector at said port, to another port of consumption entry, subject after arrival at the latter port to the other provisions of this section.

(b) They shall be moved from the coast or border port of arrival or, in the case of I. T. or in-bond shipments, from the interior port to the establishment in cars or trucks or in vessel compartments with no other materials contained therein, sealed with seals of the Department, which shall not be broken except by Veterinary Services inspectors or other persons authorized by the Deputy Administrator, Veterinary Services so to do, or without sealing as aforesaid and with other freight when packed in tight cases or casks acceptable to an inspector at the port of entry.

(c) They shall be handled at the establishment under the direction of an inspector in a manner to guard against the dissemination of foot-and-mouth disease and rinderpest. They shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said products from the port of arrival to the said establishment.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.17 Glands, organs, ox gall, and like materials; requirements for unrestricted entry.

Glands, organs, ox gall or bile, bone marrow, and various like materials derived from domestic ruminants or swine, intended for use in the manufacture of pharmaceutical products shall not be imported except subject to handling and treatment in accordance with § 95.18, unless such glands, organs, or materials originated in and were shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest.

[28 FR 5981, June 13, 1963, as amended at 62 FR 56024, Oct. 28, 1997]

§ 95.18 Glands, organs, ox gall, and like materials; importations permitted subject to restrictions.

Glands, organs, ox gall or bile, bone marrow, and various like materials derived from domestic ruminants or swine, which do not meet the requirements of § 95.17 may be imported for pharmaceutical purposes if in tight

containers and consigned to an approved establishment: *Provided, however,* That upon special permission of the Deputy Administrator, Veterinary Services they may be stored for a temporary period in approved warehouses under bond and under the supervision of an inspector. They shall be handled and processed at the said establishment in a manner approved by the Deputy Administrator, Veterinary Services and the containers shall be destroyed or disinfected as prescribed by him. They shall not be removed therefrom except upon special permission of the Deputy Administrator, Veterinary Services and upon compliance with all the conditions and requirements of this section relative to the movement of the said glands, organs, ox gall, and like materials from the port of arrival to the said establishment.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended at 59 FR 67134, Dec. 29, 1994]

§ 95.19 Animal stomachs.

Stomachs or portions of the stomachs of ruminants or swine, other than those imported for food purposes under the meat-inspection regulations of the Department, shall not be imported without permission from the Deputy Administrator, Veterinary Services. Importations permitted shall be subject to such restrictions as the Deputy Administrator, Veterinary Services may deem necessary in each instance.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.20 Animal manure.

Manure of horses, cattle, sheep, other ruminants, and swine shall not be imported except upon permission from the Deputy Administrator, Veterinary Services. Importations permitted shall be subject to such restrictions as he may deem necessary in each instance: *Provided, however,* That manure produced by animals while in transit to the United States shall be subject only to the requirements of the Department regulations governing the importation of domestic livestock and other animals.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994]

§ 95.21 Hay and straw; requirements for unrestricted entry.

Except as provided in § 95.28, hay or straw shall not be imported except subject to handling and treatment in accordance with § 95.22 after arrival at the port of entry, unless such hay or straw originated in and was shipped directly from a region not declared by the Secretary of Agriculture to be infected with foot-and-mouth disease or rinderpest.

[28 FR 5981, June 13, 1963, as amended at 62 FR 56024, Oct. 28, 1997]

§ 95.22 Hay and straw; importations permitted subject to restrictions.

Except as provided in § 95.28, hay or straw which does not meet the conditions or requirements of § 95.21 shall be handled and treated in the following manner upon arrival at the port of entry:

(a) Hay or straw packing materials shall be burned or disinfected at the expense of the importer or consignee in the manner and at the time directed by the Deputy Administrator, Veterinary Services.

(b) Hay or straw for use as feeding material, bedding, or similar purposes shall be stored and held in quarantine for a period of not less than 90 days in an approved warehouse at the port of entry and shall be otherwise handled as directed by the Deputy Administrator, Veterinary Services.

§ 95.23 Previously used meat covers; importations permitted subject to restrictions.

Cloth or burlap which has been used to cover fresh or frozen meats originating in any region designated in § 94.1 of this subchapter as a region in which rinderpest or foot-and-mouth disease exists, shall not be imported except under the following conditions:

(a) The cloth or burlap shall be consigned from the coast or border port of arrival to an establishment specifically

approved for the purpose by the Deputy Administrator, Veterinary Services.

(b) The cloth or burlap shall be immediately moved from the coast or border port of arrival, or in case of I. T. or in-bond shipments from the interior port, to the establishment, in railroad cars or trucks, or in vessel compartments, with no other material contained therein, sealed with seals of the Department, which shall not be broken except by inspectors or other persons authorized by the Deputy Administrator, Veterinary Services: *Provided, however,* That upon permission of the Deputy Administrator, Veterinary Services, such cloth or burlap may be stored for a temporary period in approved warehouses at the port of arrival under bond and under the supervision of an inspector.

(c) The material shall be disinfected and otherwise handled at the establishment under the direction of an inspector in a manner approved by the Deputy Administrator, Veterinary Services to guard against the dissemination of foot-and-mouth disease and rinderpest, and the material shall not be removed therefrom, except upon special permission of the Deputy Administrator, Veterinary Services, until all of the conditions and requirements of this section have been complied with.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended by 59 FR 67134, Dec. 29, 1994; 62 FR 56024, Oct. 28, 1997]

§ 95.24 Methods for disinfection of hides, skins, and other materials.

Hides, skins, and other materials required by the regulations in this part to be disinfected shall be subjected to disinfection by methods found satisfactory and approved from time to time by the Deputy Administrator, Veterinary Services.

§ 95.25 Transportation of restricted import products; placarding cars and marking billing; unloading enroute.

(a) Transportation companies or other operators of cars, trucks or other vehicles carrying import products or materials moving under restriction, other than those in tight cases or casks, shall affix to and maintain on both sides of all such vehicles durable placards not less than 5½ by 6 inches in size, on which shall be printed with permanent black ink and in boldface letters not less than 1½ inches in height the words ''Restricted import product.'' These placards shall also bear the words ''Clean and disinfect this car or truck.'' Each of the waybills, conductors' manifests, memoranda, and bills of lading pertaining to such shipments shall have the words ''Restricted import product, clean and disinfect car or truck,'' plainly written or stamped upon its face. If for any reason the placards required by this section have not been affixed to each car, or the billing has not been marked by the initial or the connecting carrier, or the placards have been removed, destroyed, or rendered illegible, the placards shall be immediately affixed or replaced and the billing marked by the initial or connecting carrier, the intention being that the billing accompanying the shipment shall be marked and each car, truck or other vehicle placarded as specified in this section from the time such shipment leaves the port of entry until it is unloaded at final destination and the cars, trucks or other vehicles are cleaned and disinfected as required by § 95.26.

(b) If it is necessary to unload enroute any of the materials or products transported in a placarded car, truck or other vehicle as provided in this section, the car, truck or other vehicle from which the transfer is made and any part of the premises in or upon which the product or material may have been placed in the course of unloading or reloading shall be cleaned and disinfected by the carrier, in accordance with the provisions of § 95.26, and the said carrier shall immediately report the matter, by telegraph, to the Deputy Administrator, Veterinary Services, Washington, DC 20251. Such report shall include the following information: Nature of emergency; place where product or material was unloaded; original points of shipment and destination; number and materials of the original car or truck; and number and initials of the car, truck or other

vehicle into which the product or material is reloaded in case the original car or truck is not used.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5981, June 13, 1963, as amended at 48 FR 57472, Dec. 30, 1983]

§ 95.26 Railroad cars, trucks, boats, aircraft and other means of conveyance, equipment or containers, yards, and premises; cleaning and disinfection.

Railroad cars, trucks, boats, aircraft and other means of conveyance, equipment or containers, yards, and premises which have been used in the transportation, handling, or storing of restricted import products or materials, other than those contained in leak proof cases or casks, shall be cleaned and disinfected with a disinfectant approved for use in this part under the supervision of the division at the time and in the manner provided in this section. Except as provided in paragraph (a) of this section, such railroad cars, trucks, boats, aircraft and other means of conveyance, equipment or containers, shall not be moved in interstate or foreign commerce until they have been so treated.

(a) *Cars to be cleaned and disinfected by final carrier at destination.* Cars required by this part to be cleaned and disinfected shall be so treated by the final carrier at destination as soon as possible after unloading and before the same are moved from such final destination for any purpose: *Provided, however,* That when the products or materials are destined to points at which an inspector or other duly authorized representative of Veterinary Services is not maintained or where proper facilities cannot be provided, the transportation company shall seal, bill, and forward the cars in which the products or materials were transported to a point to be agreed upon between the transportation company and Veterinary Services, and the transportation company shall there clean and disinfect the said cars under the supervision of Veterinary Services.

(b) *Methods of cleaning and disinfecting.* (1) Railroad cars, trucks, aircraft and means of conveyance other than boats, equipment or containers, required by this part to be cleaned and disinfected shall be treated in the following manner: Collect all litter and other refuse therefrom and destroy by burning or other approved method, clean the exterior and interior of the cars or trucks, and the areas of the aircraft or other means of conveyance, equipment or containers that may have been contaminated, and saturate the entire surface with a permitted disinfectant approved for use in this part.

(2) Boats required by this part to be cleaned and disinfected shall be treated in the following manner: Collect all litter and other refuse from the decks, compartments, and all other parts of the boat used for the transportation of the products or materials covered by this part, and from the portable chutes or other appliances, fixtures or areas used in loading and unloading same, and destroy the litter and other refuse by burning or by other approved methods, and saturate the entire surface of the said decks, compartments, and other parts of the boat with a permitted disinfectant approved for use in this part.

(3) Buildings, sheds, and premises required by this part to be disinfected shall be treated in the following manner: Collect all litter and other refuse therefrom and destroy the same by burning or other approved methods, and saturate the entire surface of the fencing, chutes, floors, walls, and other parts with a permitted disinfectant approved for use in this part.

(c) *Permitted disinfectants.* The disinfectants permitted for use in disinfecting railroad cars, trucks, boats, aircraft and other means of conveyance, equipment or containers, yards, and premises against infection of foot-and-mouth disease and rinderpest are freshly prepared solutions of:

(1) Sodium carbonate (4 percent) in the proportion of 1 pound to 3 gallons of water.

(2) Sodium carbonate (4 percent) plus sodium silicate (0.1 percent) in the proportion of 1 pound of sodium carbonate plus sodium silicate to 3 gallons of water.

(3) Sodium hydroxide (Lye) prepared in a fresh solution in the proportion of

not less than 1 pound avoirdupois of sodium hydroxide of not less than 95 percent purity to 6 gallons of water, or one 13½-ounce can to 5 gallons of water.[2]

(d) *Permitted disinfectants against ticks.* The disinfectants permitted for use against tick infestation are liquefied phenol (U. S. P. strength 87 percent phenol) in the proportion of at least 6 fluid ounces to one gallon of water; or chlorinated lime (U. S. P. strength 30 percent available chlorine) in the proportion of one pound to three gallons of water; or any one of the cresylic disinfectants permitted by the Animal and Plant Health Inspection Service in the proportion of at least four fluid ounces to one gallon of water; or through application of boiling water if the treatment is against rinder-pest or foot-and-mouth disease and tick infestation; or other disinfectants or treatments approved by the Deputy Administrator, Veterinary Services.

[28 FR 5981, June 13, 1963, as amended at 32 FR 19157, Dec. 20, 1967]

§ 95.27 Regulations applicable to products from Territorial possessions.

The regulations in this part shall be applicable to all the products and materials specified in this part which are offered for entry into the United States from any place under the jurisdiction of the United States to which the animal-quarantine laws of this country do not apply.

§ 95.28 Hay or straw and similar material from tick-infested areas.

Hay or straw, grass, or similar material from tick-infested pastures, ranges, or premises may disseminate the contagion of splenetic, Southern or Texas fever when imported for animal feed or bedding; therefore, such hay or straw, grass, or similar materials shall not be imported unless such material is first disinfected with a disinfectant specified in § 95.26(d).

[2] Due to the extreme caustic nature of sodium hydroxide solution, precautionary measures such as the wearing of rubber gloves, boots, raincoat and goggles should be observed. An acid solution such as vinegar shall be kept readily available in case any of the sodium hydroxide solution should come in contact with the body.

PART 96—RESTRICTION OF IMPORTATIONS OF FOREIGN ANIMAL CASINGS OFFERED FOR ENTRY INTO THE UNITED STATES

Sec.

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AUTHORITY: 21 U.S.C. 111, 136, 136a; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 28 FR 5986, June 13, 1963, unless otherwise noted.

§ 96.1 Definitions.

Administrator. The Administrator, Animal and Plant Health Inspector Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service).

Animal casings. Intestines, stomachs, esophagi, and urinary bladders from cattle, sheep, swine, or goats that are used to encase processed meats in foods such as sausage.

APHIS representative. An individual employed by APHIS who is authorized to perform the function involved.

Department. The United States Department of Agriculture.

Import (imported, importation) into the United States. To bring into the territorial limits of the United States.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

United States. All of the States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, American Samoa, and the territories and possessions of the United States.

(Approved by the Office of Management and Budget under control number 0579–0015)

[57 FR 28082, June 24, 1992, as amended at 57 FR 29785, July 7, 1992; 59 FR 67134, Dec. 29, 1994; 62 FR 56024, Oct. 28, 1997]

§ 96.2 Prohibition of casings due to African swine fever and bovine spongiform encephalopathy.

(a) The importation of swine casings that originated in or were processed in a region where African swine fever exists, as listed in §94.8 of this subchapter, is prohibited, with the following exception: Swine casings that originated in a region free of African swine fever may be processed in a region where African swine fever exists, if processed in an establishment that meets the criteria set forth in §94.8(a)(3)(iv) of this subchapter.

(b) The importation of casings, except stomachs, from bovines and other ruminants that orginated in or were processed in any region listed in §94.18(a) of this subchapter is prohibited.

[58 FR 47031, Sept. 7, 1993, as amended at 59 FR 27970, May 31, 1994; 62 FR 46181, Sept. 2, 1997; 62 FR 56024, Oct. 28, 1997; 63 FR 408, Jan. 6, 1998]

§ 96.3 Certificate for animal casings.

(a) No animal casings shall be imported into the United States from any foreign region unless they are accompanied by a certificate signed by either (1) a veterinarian salaried by the national government of the region in which the animals were slaughtered and the casings were collected, and who is authorized by the national government to conduct casings inspections and issue certificates, and who has inspected the casings before issuing the certificate and determined that the casings meet the criteria described in the Foreign Official Certificate for Animal Casings; or (2) a non-government veterinarian authorized to issue the certificate by the national government of the region in which the animals were slaughtered and the casings were collected, who has inspected the casings before issuing the certificate and determined that the casings meet the criteria described in the Foreign Official Certificate for Animal Casings. A certificate issued by a non-government veterinarian is valid only if the certificate is endorsed by a veterinarian salaried by the national government of the region in which the animals were slaughtered and the casings were collected.

(b) All signatures on the certificate shall be original.

(c) The certificate shall bear the insignia of the national government of the region in which the animals were slaughtered and the casings were collected, and shall be in the following form:

FOREIGN OFFICIAL CERTIFICATE FOR ANIMAL CASINGS

Place (City) _____ (Region) _____ (Date) _____

I hereby certify that the animal casings herein described were derived from healthy animals (cattle, sheep, swine, or goats), which received, ante mortem and post mortem veterinary inspections at the time of slaughter, are clean and sound, and were prepared and handled only in a sanitary manner and were not subjected to contagion prior to exportation.

Kind of casings _____
Number of packages _____
Weight _____

Identification marks on the packages _____
Consignor _____
(Address)
Consignee _____
(Destination)
Shipping marks _____
Signature: _____

Official issuing the certificate. (Non-government veterinarian authorized to issue the certificate by the national government of the region in which the animals were slaughtered and the casings were collected.)
Official title: _____
Signature: _____
Official issuing the certificate. (Veterinarian salaried by the national government of the region in which the animals were slaughtered and the casings were collected.)
Official title: _____

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5986, June 13, 1963, as amended at 48 FR 57472, Dec. 30, 1983. Redesignated and amended at 57 FR 28082, June 24, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993, as amended at 62 FR 56024, Oct. 28, 1997]

§ 96.4 Uncertified animal casings; disposition.

Animal casings which are unaccompanied by the required certificate, those shipped in sheepskins or other skins as containers, and those found upon inspection to be unclean or unsound when offered for importation into the United States shall be kept in customs custody until exported or destroyed, or until disinfected and denaturated as prescribed by the Administrator, Animal and Plant Health Inspection Service (APHIS) in §§ 96.5 through 96.16.

[28 FR 5986, June 13, 1963. Redesignated and amended at 57 FR 28082, 28083, June 24, 1992; 57 FR 29785, July 7, 1992. Redesignated and amended at 58 FR 47031, Sept. 7, 1993]

§ 96.5 Instructions regarding handling certified animal casings.

(a) Animal casings are not classed as meat product, therefore the certificate required for foreign meat product is not acceptable for animal casings offered for importation.

(b) Casings offered for importation into the United States shall remain in customs custody at the port until released by an APHIS inspector for admission into the United States or otherwise disposed of as required by this part.

(c) The provision that under certain conditions casings which have been offered for importation shall be exported, shall be construed to mean the removal of the casings from the United States or its possessions.

(1) The provision that under certain conditions casings be destroyed shall be construed to mean the treatment or handling of the casings in a manner to take away completely the usefulness of them as by tanking or incineration.

(2) The provision that under certain conditions casings shall be disinfected and denatured shall be construed to mean such treatment and handling as will be prescribed by the Administrator, Animal and Plant Health Inspection Service (APHIS) to free them from pathogenic substances or organisms, or to render such substances and organisms inert; and that the nature of the casings be changed to make them unfit for eating without destroying other useful properties. For instance, each casing may be split throughout its length and after disinfection, as above indicated, be released for industrial use.

(d) Dried intestines offered for importation into the United States for use as gut strings or similar purpose are not regarded as animal casings within the meaning of this part. Such dried intestines are classed with tendons, sinews, and similar articles and are subject to the provisions of part 95.

[28 FR 5986, June 13, 1963. Redesignated and amended at 57 FR 28082, 28083, June 24, 1992; 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.6 Certified foreign animal casings arriving at seaboard or border port.

(a) Properly certified foreign animal casings arriving in the United States at a seaboard or border port where an APHIS inspector is stationed shall be released for entry by the inspector at the seaboard or border port.

(b) Properly certified foreign animal casings arriving in the United States at a seaboard or border port where no APHIS inspector is stationed, which are destined to a point in the United States where an APHIS inspector is stationed, shall be shipped in United States Customs custody to destination for release.

(c) Properly certified foreign animal casing arriving in the United States at a seaboard or border port where no APHIS inspector is stationed, which are destined to a point in the United States where no APHIS inspector is

stationed, shall be transported in United States Customs custody to the nearest point where an APHIS inspector is stationed for release at that point.

(d) Properly certified foreign animal casings forming a part of a foreign meat consignment routed through a border port to an interior point in the United States shall be transported to destination as though the entire consignment consisted of meat. In such cases the APHIS inspector who inspects the meat at destination shall supervise the release of the casings.

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.7 Dried bladders, weasands, and casings.

Dried animal bladders, dried weasands, and all other dried animal casings offered for importation into the United States as food containers unaccompanied by foreign certification which have been retained in the dry state continuously for not less than 90 days from the date of shipment shown on the consular invoice, may be released for entry as food containers without disinfection.

[28 FR 5986, June 13, 1963. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.8 Uncertified casings; disinfection at seaboard port.

Uncertified foreign animal casings arriving at a seaboard port may be imported into the United States for use as food containers after they have been disinfected under the direct supervision of an APHIS inspector at the seaboard port.

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.9 Casings admitted on disinfection; sealing; transfer and disinfection.

Foreign animal casings offered for importation into the United States which are admitted upon disinfection shall be handled as follows:

(a) The containers of such casings shall be sealed on the steamship pier or other place of first arrival. Four seals shall be affixed to both ends of each tierce, barrel, and similar container in the space where the ends of the container enter the staves, by means of red sealing wax imprinted with the No. 3 Veterinary Services brass brand from which ''INSP'D . P'S'D'' and the establishment number have been removed.

(b) Uncertified animal casings sealed as above indicated shall be transferred from the steamship pier or other place of first arrival to the premises of the importer or other designated place, where they shall be disinfected by the importer under the supervision of an APHIS inspector before they are offered for sale. The object of this ruling is to place full responsibility for disinfection of casings on the original importer and to prevent the sale of casings subject to disinfection by the purchaser.

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.10 Uncertified casings; transportation for disinfection; original shipping containers; disposition of salt.

(a) Foreign animal casings imported into the United States without certification may be forwarded in customs custody to a USDA-approved facility for disinfection under APHIS supervision and release by the United States Customs authorities, provided that, before being transported over land in the United States, each and every container of such casings shall be disinfected by the application of a solution of sodium hydroxide prepared as follows:

(1) Sodium hydroxide (Lye) prepared in a fresh solution in the proportion of not less than 1 pound avoirdupois of sodium hydroxide of not less than 95 percent purity to 6 gallons of water, or one 13½-ounce can to 5 gallons of water.[1]

[1] Due to the extreme caustic nature of sodium hydroxide solution, and of sodium carbonate solution to a lesser degree, precautionary measures such as the wearing of rubber gloves, boots, raincoat and goggles should be observed. An acid solution such as vinegar shall be kept readily available in case any of the sodium hydroxide solution should come in contact with the body.

(2) This solution shall be thoroughly applied to all exterior surfaces of the containers and be allowed to remain for at least thirty minutes to accomplish disinfection. The containers should then be washed with water to remove the caustic soda which otherwise might cause injury to the handlers of the packages.

(b) When uncertified foreign casings are removed from the original shipping containers these containers shall be destroyed by burning or promptly and thoroughly disinfected both inside and out with the solution and in the manner above prescribed. If these containers are to be re-used it is important that they be thoroughly washed both inside and out with water after disinfection has been completed, and in order to insure against the injurious effect of caustic soda remaining in the wood it is advisable to allow the containers to stand for not less than six hours filled with water.

(c) The salt removed from all original shipping containers of uncertified foreign animal casings shall be immediately dissolved in water and heated to boiling, or disposed of as provided in paragraph (c)(1) or (2) of this section as follows:

(1) Dissolve the salt in the proportion of 90 pounds of salt to 100 gallons of water. Add 2¾ gallons of C. P. hydrochloric acid containing not less than 35 percent actual HCl; mix thoroughly and allow the solution to stand for at least thirty minutes. The finished solution must contain not less than 1 percent actual hydrochloric acid. (This solution may be utilized in the disinfection of casings as prescribed in §96.13.)

(2) Dissolve the salt in the proportion of 90 pounds of salt to 100 gallons of water. Add 20 pounds of 95 percent to 98 percent sodium hydroxide (commercial ''76 percent caustic soda'') and stir until solution is complete; and allow it to stand for at least 30 minutes. (This solution may be utilized in the disinfection of casing containers as prescribed in paragraphs (a)(2) and (b) of this section.

(3) It is best to employ flaked caustic soda and not the variety which is very finely powdered. The fine powder is irritating and injurious to workers if it becomes suspended in the air. Containers of caustic soda should be kept tightly closed as the product deteriorates from contact with the air.

[28 FR 5986, June 13, 1963, as amended at 32 FR 19158, Dec. 20, 1967; 57 FR 29785, July 7, 1992. Redesignated and amended at 58 FR 47031, Sept. 7, 1993; 62 FR 56024, Oct. 28, 1997]

§ 96.11 Disinfecting plant and equipment for uncertified casings.

Uncertified foreign animal casings shall be disinfected only at a plant whose sanitation and disinfecting equipment have been approved by an APHIS inspector.

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

§ 96.12 Uncertified casings not disinfected in 30 days; disposition.

Foreign animal casings offered for importation without certification shall be disinfected as prescribed in §96.13 within a period of 30 days after arrival in the United States, subject to the ability of Division inspectors to cover their respective districts. Otherwise such casings shall be exported or destroyed.

[28 FR 5986, June 13, 1963. Redesignated and amended at 58 FR 47031, Sept. 7, 1993]

§ 96.13 Uncertified casings; disinfection with hydrochloric acid.

Foreign animal casings offered for importation into the United States without certification may be disinfected, as prescribed in this section, under the supervision of an APHIS inspector for use as food containers, as an alternative for foreign certification.

(a) Disinfect the casings in a solution made as follows: Dissolve 90 pounds common salt in 100 gallons water and mix. Add 2¾ gallons (10.35 liters) C. P. hydrochloric acid containing not less than 35 percent actual HCl and mix throughly. The finished solution must contain not less than 1 percent actual hydrochloric acid.

(b) Containers of the disinfectant solution may be either of wood or of metal, but the interior surfaces must be protected by means of an acid resistant coating.

(c) Not more than 175 pounds casings shall be treated with each 100 gallons of the solution. After the treatment of

175 pounds of casings, or at the end of the day if less than 175 pounds of casings are disinfected in any one day, the solution shall be discarded unless means are provided for accurately determining the loss of strength. In event means for accurately determining loss of strength are provided it will be permissible to restore the strength of the solution with fresh acid and use it repeatedly.

(d) Shake as much of the adherent salt as possible from the casings and weigh them. Bundles must be separated but individual hanks need not be untied. Place the casings in the disinfecting solution a few hanks at a time with vigorous agitation to insure the fullest possible contact of the solution with them. Then keep the casings completely submerged in the solution for not less than three-fourths of an hour.

(e) Remove the casings from the solution, rinse them with water, and place them in a solution containing 8½ pounds of sodium bicarbonate in each 100 gallons of water. 100 gallons of this solution is sufficient for 175 pounds of casings. Keep the casings in this solution for 30 minutes, moving them about frequently and vigorously so as to insure complete contact of the solution with the casings. After this neutralization, remove the casings from the sodium bicarbonate solution and wash them to remove the excess of bicarbonate.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993, as amended at 59 FR 67134, Dec. 29, 1994]

§ 96.14 Uncertified casings; disinfection with saturated brine solution.

Foreign animal casings offered for importation into the United States upon disinfection, may either be disinfected with hydrochloric acid as at present or if preferred may be submerged in a saturated brine solution at a temperature not less than 127° F. for at least 15 minutes. The time held as well as the temperature of such brine solution must be recorded on a one-hour dial of a recording thermometer and filed in the local APHIS office for official inspection at any time. In order that this required temperature may be more readily maintained, such casings must first be submerged in a brine solution at approximately 127° F. for about five minutes immediately before the 15-minute recorded submersion period begins. This may be done either in the testing vat or a preliminary vat. By following this procedure the temperature will not vary unduly and thus cause unsatisfactory results. After removing the casings from the testing vat, it will be found advantageous to submerge them in another vat containing cold brine solution or cold water in order to remove the extra heat from the casings as promptly as possible, but of course this is optional with the importer. In order to obtain the most satisfactory results, the hanks, rings, and similar units must be separated as much as possible without untying, but ''dolls'' will not be permitted to be disinfected by this heating method. In order to keep the temperature of the brine in the testing vat of a uniform degree, it is necessary to agitate the solution occasionally by moving the casings. The tip of the recording thermometer should be located at a point which would be approximately at the bottom of the volume of casings being disinfected.

[28 FR 5986, June 13, 1963, as amended at 57 FR 29785, July 7, 1992. Redesignated at 58 FR 47031, Sept. 7, 1993]

PART 97—OVERTIME SERVICES RELATING TO IMPORTS AND EXPORTS

Sec.

97.1 Overtime work at laboratories, border ports, ocean ports, and airports.
92.2 Administrative instructions prescribing commuted traveltime.

AUTHORITY: 7 U.S.C. 2260; 49 U.S.C. 1741; 7 CFR 2.22, 2.80, and 371.2(d).

§ 97.1 Overtime work at laboratories, border ports, ocean ports, and airports.[1]

(a) Any person, firm, or corporation having ownership, custody, or control of animals, animal byproducts, or other commodities subject to inspection, laboratory testing, certification, or quarantine under this subchapter and subchapter G of this chapter, and who requires the services of an employee of the Animal and Plant Health Inspection Service on a Sunday or holiday, or at any other time outside the regular tour of duty of the employee, shall sufficiently in advance of the period of Sunday or holiday or overtime service request the Animal and Plant Health Inspection Service inspector in charge to furnish the service and shall pay the Government at a rate of $47.96 per work-hour per employee on a Sunday and at the rate of $37.84 per work-hour per employee for holiday or any other period; except as provided in paragraphs (a)(1), (a)(2), and (a)(3) of this section:

(1) For any services performed on a Sunday or holiday, or at any time after 5 p.m. or before 8 a.m. on a weekday, in connection with the arrival in or departure from the United States of a private aircraft or private vessel, the total amount payable shall not exceed $25 for all inspection services performed by the Customs Service, Immigration and Naturalization Service, Public Health Service, and the Department of Agriculture;

(2) Owners and operators of aircraft will be provided service without reimbursement during regularly established hours of service on a Sunday or holiday; and

(3) The overtime rate to be charged owners or operators of aircraft at airports of entry or other places of inspection as a consequence of the operation of the aircraft, for work performed outside of the regularly established hours of service on a Sunday will be $39.36 and for work performed outside of the regularly established hours of service for a holiday or any other period will be $30.64 per hour (these charges exclude administrative overhead costs).

(b) A minimum charge of 2 hours shall be made for any Sunday or holiday or unscheduled overtime duty performed by an employee on a day when no work was scheduled for him or which is performed by an employee on his regular work day beginning either at least 1 hour before his scheduled tour of duty or which is not in direct continuation of the employee's regular tour of duty. In addition, each such period of Sunday or holiday or unscheduled overtime work to which the 2-hour minimum charge applies may include a commuted traveltime period (CTT) the amount of which shall be prescribed in administrative instructions to be issued by the Administrator, Animal and Plant Health Inspection Service for the areas in which the Sunday or holiday or overtime work is performed and such period shall be established as nearly as may be practicable to cover the time necessarily spent in reporting to and returning from the place at which the employee performs such Sunday, holiday or overtime duty. With respect to places of duty within the metropolitan area of the employee's headquarters, such CTT period shall not exceed 3 hours. It shall be administratively determined from time to time which days constitute holidays. The circumstances under which such CTT periods shall be charged and the percentage applicable in each circumstance are as reflected in the following table:

	Actual time[1] charge—no minimum	2-hour guarantee charge	Commuted[2] traveltime (CTT) charge
Charges for Inspection Within Metropolitan Area of Employee's Headquarters			
Work beginning before daily tour begins:			
8 to 59 minutes.	Yes	No	None.
60 to 119 minutes.		Yes	½ CTT.
120 minutes or more.		Yes	Full CTT.

[1] For designated ports of entry for certain animals, animal semen, poultry, and hatching eggs see 9 CFR §§ 93.102, 93.203, 93.303, 93.403, 93.503, 93.703, and 93.805 and for designated ports of entry for certain purebred animals see 9 CFR §§ 151.1 through 151.3.

	Actual time [1] charge—no minimum	2-hour guarantee charge	Commuted [2] traveltime (CTT) charge
Work beginning after daily tour ends:			
Direct continuation.	Yes	No	None.
Break-in-service of:			
2–29 minutes		Yes	None.
30–60 minutes.		Yes	½ CTT.
61 minutes or more.		Yes	Full CTT.

Charges for Inspection Services Performed Outside Metropolitan Area of Employee's Headquarters

Work beginning before daily tour begins:			
8 to 59 minutes.	Yes	No	½ CTT.
60 minutes or more.		Yes	Full CTT.
Work beginning after daily tour ends:			
Direct continuations.	Yes	No	½ CTT.
2–59 minutes	No	Yes	½ CTT.
60 minutes or more.	No	Yes	Full CTT.

Charges for Call Out Inspection Service on Holiday or Nonworkday

Work beginning at any time.	No	Yes	Full CTT.

[1] Actual time charged when work is contiguous with the daily tour will be in quarter hour multiples, with service time of 8 minutes or more rounded up to the next quarter hour and any time of less than 8 minutes will be disregarded.

[2] The full CTT allowance will be the amount of commuted traveltime prescribed for the place at which the inspections are performed. See part 97.2. One-half CTT is ½ of the full CTT period.

(c) As used in this section—

(1) The term *private aircraft* means any civilian aircraft not being used to transport persons or property for compensation or hire, and

(2) The term *private vessel* means any civilian vessel not being used (i) to transport persons or property for compensation or hire, or (ii) in fishing operations or in processing of fish or fish products.

(d)(1) Any principal, or any person, firm, partnership, corporation, or other legal entity acting as an agent or broker by requesting Sunday, holiday, or overtime services of an Animal and Plant Health Inspection Service inspector on behalf of any other person, firm, partnership, corporation, or other legal entity (principal), and who has not previously requested such service from an Animal and Plant Health Inspection Service inspector, must pay the inspector before service is provided.

(2) Since the payment must be collected before service can be provided, the Animal and Plant Health Inspection Service inspector will estimate the amount to be paid. Any difference between the inspector's estimate and the actual amount owed to the Animal and Plant Health Inspection Service will be resolved as soon as reasonably possible following the delivery of service, with the Animal and Plant Health Inspection Service either returning the difference to the agent, broker, or principal, or billing the agent, broker, or principal for the difference.

(3) The prepayment must be in some guaranteed form, such as money order, certified check, or cash. Prepayment in guaranteed form will continue until the Animal and Plant Health Inspection Service determines that the agent, broker, or principal has established an acceptable credit history.

(4) For security reasons, cash payments will be accepted only from 7 a.m. to 5 p.m., and only at a location designated by the Animal and Plant Health Inspection Service inspector.

(e)(1) Any principal, or any person, firm, partnership, corporation, or other legal entity requesting Sunday, holiday, or overtime services of an Animal and Plant Health Inspection Service inspector, and who has a debt to the Animal and Plant Health Inspection Service more than 60 days delinquent, must pay the inspector before service is provided.

(2) Since the payment must be collected before service can be provided, the Animal and Plant Health Inspection Service inspector will estimate the amount to be paid. Any difference between the inspector's estimate and the actual amount owed to the Animal and Plant Health Inspection Service will be resolved as soon as reasonably possible following the delivery of service, with the Animal and Plant Health Inspection Service either returning the

difference to the agent, broker, or principal, or billing the agent, broker, or principal for the difference.

(3) The prepayment must be in some guaranteed form, such as money order, certified check, or cash. Prepayment in guaranteed form will continue until the debtor pays the delinquent debt.

(4) For security reasons, cash payments will be accepted only from 7 a.m. to 5 p.m., and only at a location designated by the Animal and Plant Health Inspection Service inspector.

(f) Reimbursable Sunday, holiday, or overtime services will be denied to any principal, or any person, firm, partnership, corporation, or other legal entity who has a debt to the Animal and Plant Health Inspection Service more than 90 days delinquent. Services will be denied until the delinquent debt is paid.

[38 FR 28814, Oct. 17, 1973, as amended at 42 FR 1455, Jan. 7, 1977; 49 FR 1176, Jan. 10, 1984; 49 FR 12191, Mar. 29, 1984; 50 FR 723, Jan. 7, 1985; 52 FR 16823, May 6, 1987; 53 FR 52992, Dec. 30, 1988; 54 FR 13516, Apr. 4, 1989; 55 FR 3198, Jan. 31, 1990; 55 FR 41059, Oct. 9, 1990; 56 FR 1082, Jan. 11, 1991; 58 FR 32434, June 10, 1993; 62 FR 56025, Oct. 28, 1997]

§ 97.2 Administrative instructions prescribing commuted traveltime.

Each period of overtime and holiday duty as prescribed in § 97.1 shall in addition include a commuted traveltime period for the respective ports, stations, and areas in which employees are located. The prescribed computed traveltime periods are as follows:

COMMUTED TRAVELTIME ALLOWANCES

[In hours]

Location covered	Served from	Metropolitan Area	
		Within	Outside
Alaska:			
Anchorage		1	
Do	Palmer		3
Arizona:			
Douglas		1	
Do	Nogales		6
Do	Phoenix		6
Do	Sierra Vista		3
Naco	Douglas		2
Do	Nogales		4
Do	Phoenix		6
Do	Sierra Vista		2
Nogales		1	
Do	Douglas		6
Do	Phoenix		6
Do	Sierra Vista		3
San Luis	Phoenix		6
Do	Yuma		2
Sasabe	Douglas		6
Do	Nogales		4
Do	Phoenix		6
Do	Sierra Vista		6
Do	Tuscon		3
California:			
Calexico	San Ysidro		6
Edwards Air Force Base.	Los Angeles		4
Los Angeles and Los Angeles International Airport.	San Bernardino		5
Do	Los Angeles	2	
Los Angeles Harbor, San Pedro, including Long Beach, Wilmington, and Terminal Island.	Los Angeles		2
March Field	...do		5
Mexicali	Calexico		1
Newport Beach	...do		4
Ontario	...do		3
Ramona	San Ysidro		2
Sacramento		1	
Do	San Francisco		5
San Diego		1	
Do	San Ysidro		2
San Francisco including, Alameda, Richmond, Pittsburg, and other ports in San Francisco and San Pablo Bay areas.		2	
San Louis Obispo.	San Pedro		6
San Ysidro		1	
Stockton	San Francisco		4
Colorado:			
Stapleton International Airport, Denver.	Arvada	1	
Do	Aurora		2
Connecticut:			
Bradley International Airport.	Westerly, RI		5
Do	Willington		1
Bradley International Airport, Windsor Locks.	Ashford		1
Do	Hartford	2	
Do	N. Stonington, CT		4
Do	Waterbury, CT		3
Delaware:			
Wilmington	Dover		3
Florida:			
Jacksonville		2	

COMMUTED TRAVELTIME ALLOWANCES—Continued

[In hours]

Location covered	Served from	Metropolitan Area	
		Within	Outside
Miami		2	
Port Everglades	Miami		2
St. Petersburg	Tampa		2
Do	Miami		6
Tampa		2	
Do	Miami		6
Georgia:			
Atlanta International Airport.	Acworth		3
Do	Carrollton		3
Do	Covington		3
Do	Forsyth		3
Port of Brunswick.	Savannah		4
Port of Savannah.	do	2	
Port of St. Mary's.	do		6
Hawaii:			
Kawaihae	Waimea		1
Hilo	do		3
Honolulu, including Aiea, Barber's Point Naval Air Station, Honolulu International Airport, West Loch, Middle Loch, East Loch, Pearl City and Waipahu.		2	
Idaho:			
Boise	Caldwell or Middleton.		2
Eastport	Bonners Ferry		2
Do	Spokane, WA		6
Illinois:			
Chicago		3	
Do	Geneseo		6
Do	Kirkland		4
Springfield		2	
Indiana:			
Indianapolis		1	
Do	Anderson		2
Do	West Lafayette		3
Iowa:			
Ames		1	
Kentucky:			
Standiford Field	Frankfort		3
Do	Louisville	1	
Louisiana:			
Acadian Regional Airport, New Iberia.	Abbeville		2
Any point below Chalmette and on the East Bank, Belle Chasse, LA, and points to and including Port Sulphur on the west bank.	Baton Rouge		4
Any point on the Mississippi River above the St. Charles-Jefferson Parish boundary to and including Gramercy.	do		2
Morgan City	do		5
New Orleans including Orleans Parish and all points on the east bank of the Mississippi River from the St. Charles-Jefferson Parish boundary to and including Chalmette, LA, and all points on the west bank from the St. Charles-Jefferson Parish boundary to but excluding Belle Chasse, LA.	do		4
Undesignated ports.	do		3
Maine:			
Bangor	Augusta		3
Do	Newport		1
Houlton		1	
Jackman	Augusta		6
Do	Bangor		5
Do	Newport		5
Port of Portland	Augusta		3
Do	Bangor		6
Do	Concord, NH		4
Maryland:			
Baltimore:		3	
Largo	Bowie	2	
Do	Owings Mills	3	
Do	Easton		4
Laurel	Bowie	2	
Do	Owings Mills	3	
Do	Easton		4
Massachusetts:			
Boston		3	
Do	Grafton		4
Do	Loudon, NH		5
Do	N. Attleboro		4
Do	Westerly, RI		4
Mexico:			
Ciudad Acuna	Del Rio, TX		1½
Juarez	El Paso, TX		1
Nuevo Laredo	Laredo, TX		1½
Ojinaga	Presidio, TX		1
Piedras Negras	Eagle Pass, TX		1

COMMUTED TRAVELTIME ALLOWANCES—Continued

[In hours]

Location covered	Served from	Metropolitan Area	
		Within	Outside
Reynosa (Pharr International Bridge).	Hidalgo, TX		1
San Jeronimo	El Paso, TX		2
Michigan:			
Detroit		3	
Do	Beaverton		6
Do	Chelsea		3
Do	Clara		6
Do	Kalamazoo		5
Do	Lansing		4
Do	Port Huran		4
Port Huron		1	
Do	Beaverton		6
Do	Chelsea		6
Do	Clara		6
Do	Detroit		3
Do	Lansing		5
Do	Kalamazoo		6
Minnesota:			
Minneapolis/St. Paul International Airport.		2	
Do	Rochester		3
Do	Princeton		3
Noyes	Pembina		1
Missouri:			
Kansas City International Airport.	Jefferson		6
St. Louis Airport	Beaufort		3
St. Louis Zoological Park.	...do		3
Montana:			
Bozeman		1	
Bozeman Laboratory.	Bozeman	1	
Great Falls Airport.	Great Falls	1	
Do	Helena		5
Helena		1	
Port of Opheim	Plentywood		5
Do	Opheim		1
Port of Raymond.	Plentywood	1	
Do	Raymond		1
Port of Sweetgrass.	Great Falls		5
Do	Shelby		2
Do	Sunburst/Sweetgrass.	1	
Sweetgrass		1	
Nebraska:			
Lincoln Airport		1	
New Jersey:			
Newark International Airport.	Hightstown	2	
Do	Mount Holly	3	
Do	Princeton	2	
Port of Salem	Hightstown	3½	
Do	Mount Holly	3	
Do	Princeton	4	
New Mexico:			
Columbus		1	
Do	Las Cruces		4
Port of Columbus.	Deming		2
New York:			
Alexandria Bay		1	
Buffalo		2	
Do	Akron		2
Champlain		1	
Do	Highgate Springs, VT.		2
Do	Milton, VT		3
Do	Calais, VT		5
Malone	Champlain		3
Newburgh		1	
Do	New York, NY		4
New York		3	
Niagara Falls	Akron		2
Odgensburg		1	
Port of Albany		1	
Rochester	Buffalo		4
Rooseveltown	Odgensburg		2
Rouses Point	Champlain		1
Stewart Airport, Newburgh.	Albany		4
North Carolina:			
Iredell	Franklin		6
Do	Lumberton		6
Do	Raleigh		6
North Dakota:			
Dunseith	Minot		4
Do	Pembina		6
Minot		1	
Peace Gardens	Bottineau		1
Pembina		1	
Do	Fargo		6
Do	Valley City		6
Portal		1	
Do	Bismarck		6
Do	Dickinson		6
Do	Minot		4
Ohio:			
Vandalia Dayton International Airport.	Greenville		2
Do	Pickerington		3
Wilmington	Greenville		4
Do	Pickerington		3
Oregon:			
Hermiston	Troutdale		6
Portland	Salem		3
Do	Sunny Valley		6
Do	Tigard	2	
Do	Troutdale	2	
Pennsylvania:			
Harrisburg	Camp Hill	1	
Do	Morgantown		3
Do	Northumberland		2
Do	Shippensburg		3
Philadelphia		3	
Puerto Rico:			
Aquadilla	Aquadilla		2
Salinas	San Juan		4
San Juan		2	
Tennessee:			
Fort Campbell, Clarkesville.	Nashville		2
Memphis		2	
Memphis	Gadsden		4
Memphis	Jackson		4

COMMUTED TRAVELTIME ALLOWANCES—Continued

[In hours]

Location covered	Served from	Metropolitan Area	
		Within	Outside
Nashville		2	
Texas:			
Brownsville		1	
Do	Laredo or San Antonio.		6
Brownsville and Brownsville International Airport.	Harlingen and San Benito.		1
Do	McAllen or Edinburg.		3
Do	Weslaco		2
Dallas–Ft. Worth International Airport.	Ft. Worth or Dallas.		2
Del Rio		1	
Do	Eagle Pass		3
Do	Edinburg, McAllen or Mission.		6
Do	Laredo or San Antonio.		5
Eagle Pass		1	
Do	Del Rio		3
Do	Edinburgh, McAllen or Mission.		6
Do	Laredo or San Antonio.		5
El Paso		1	
Do	Hatchita or Deming, NM.		6
Do	Las Cruces, NM		3
Forney	Corsicana		3
Do	Ft. Worth		3
Do	Tyler		3
Harlingen	Edinburg, McAllen or Mission.		2
Do	Weslaco		1
Hidalgo	Brownsville		3
Do	Edinburg, Mission and McAllen.		1
Do	Harlingen		2
Do	Lyford		2
Do	Rio Grande City		2
Houston (including Houston Intercontinental Airport).		2	
Laredo		1	
Do	Brownsville or San Antonio.		6
Do	Eagle Pass		5
Do	McAllen, Edinburg or Mission.		6
Presidio		1	
Do	El Paso		6
Utah:			
Salt Lake City	Murray and Ogden.	2	
Vermont:			
Burlington International Airport.	Burlington	1	
Do	Milton		1
Do	Calais		3
Derby Line	Milton		4
Do	Calais		4
Highgate		1	
Do	Milton		2
Do	Calais		4
Highgate Springs.	do		1
Virginia:			
Dulles International Airport.	Annapolis, MD	3	
Do	Richmond		5
Do	Warrenton		3
Port of Richmond.		2	
Washington:			
Blaine		1	
Do	Seattle		6
Lynden	Blaine		2
Do	Seattle		6
Moses Lake	Oroville, WA		6
Do	Spokane		5
Do	Wenatchee		3
Do	Yakima		4
Oroville		1	
Sea-Tac Airport	Olympia		3
Seattle		2	
Sumas	Blaine		2
Do	Seattle		6
Tacoma	do		3
Yelm	Olympia		2
Do	Seattle		3
Wisconsin:			
Barron	Ripon		6
Madison		1	
Monroe	Madison		3

[39 FR 41356, Nov. 27, 1974]

EDITORIAL NOTE: For Federal Register citations affecting §97.2, see the List of CFR Sections Affected in the Finding Aids section of this volume.

PART 98—IMPORTATION OF CERTAIN ANIMAL EMBRYOS AND ANIMAL SEMEN

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AUTHORITY: 7 U.S.C. 1622; 19 U.S.C. 1306; 21 U.S.C. 103–105, 111, 134a, 134b, 134c, 134d, 134f, 136 and 136a; 31 U.S.C. 9701; 7 CFR 2.22, 2.80, and 371.2(d).

§ 98.1 Prohibition.

An embryo shall not be imported or entered into the United States unless in accordance with the provisions of this part.

[50 FR 43563, Oct. 25, 1985. Redesignated at 56 FR 58808, Oct. 30, 1991]

Subpart A—Ruminant and Swine Embryos from Regions Free of Rinderpest and Foot-and-Mouth Disease; and Embryos of Horses and Asses

§ 98.2 Definitions.

The following terms, when used in this subpart, shall be construed as defined. Those terms used in the singular form in this subpart shall be construed as the plural form and vice versa, as the case may demand.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal. Any cattle, sheep, goats, other ruminants, swine, horses, or asses.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

Approved artificial insemination center. A facility approved or licensed by the national government of the region in which the facility is located to collect and process semen under the general supervision of such government.

Approved embryo transfer unit. A facility approved or licensed by the national government of the region in which the facility is located for the artificial insemination of donor dams or for conception as a result of artificial breeding by a donor sire and for collecting and processing embryos for export under the general supervision of such government.

Department. The United States Department of Agriculture.

Embryo. The initial stage of an animal's development after collection from the natural mother, while it is capable of being transferred to a recipient dam, but not including an embryo that has been transferred to a recipient dam.

Enter (entered, entry) into the United States. To introduce into the commerce of the United States after release from governmental detention at the port of entry.

Flock. A herd.

Herd. All animals maintained on any single premises; and all animals under common ownership or supervision on two or more premises which are geographically separated, but among which there is an interchange or movement of animals.

Import (imported, importation) into the United States. To bring into the territorial limits of the United States.

Inspector. An employee of APHIS who is authorized to perform the function involved.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or any other legal entity.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

United States. All of the several States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States and all other territories and possessions of the United States.

[50 FR 43563, Oct. 25, 1985. Redesignated and amended at 56 FR 55808, Oct. 30, 1991; 57 FR 29194, July 1, 1992; 61 FR 17241, Apr. 19, 1996; 62 FR 56025, Oct. 28, 1997]

§98.3 General conditions.

Except as provided in subpart B of this part, an animal embryo shall not be imported into the United States unless it is from a region listed in §94.1(a)(2) of this chapter as being free of rinderpest and foot-and-mouth disease, and:

(a) The embryo is exported to the United States from the region in which it was conceived;

(b) The embryo was conceived as a result of artificial insemination with semen collected from a donor sire at an approved artificial insemination center, or the embryo as conceived as a result of natural breeding by a donor sire at an approved embryo transfer unit;

(c) If artificially inseminated, the donor dam conceived the embryo after being inseminated in an approved embryo transfer unit with semen collected at an approved artificial insemination center;

(d) At the time of collection of the semen used to conceive the embryo or at the time of natural breeding, the donor sire met all requirements the donor sire would have to meet under part 93 of this chapter for a health certificate required as a condition of importation into the United States;

(e) At the time of collection of the embryo from the donor dam, the donor dam met all requirements the donor dam would have to meet under part 92 of this chapter for a health certificate required as a condition of importation into the United States;

(f) There is no basis for denying an import permit for the donor sire or donor dam under §93.304(a)(2) for horses, §93.404(a)(2) or (3) for ruminants, and §93.504(a)(2) or (3) for swine of this chapter;

(g) The embryo is collected and maintained under conditions determined by the Administrator to be adequate to protect against contamination of the embryo with infectious animal disease organisms; and

(h) The embryo was determined, based on microscopic examination, to have an intact zona pellucida at the time the embryo was placed into its immediate container (straw or ampule) for shipping.

(i) The embryo is contained in a shipping container which at the time of offer for entry is sealed with an official seal which was affixed to the shipping container by a full-time salaried veterinarian of the national animal health service of the region of origin or by a veterinarian authorized to do so by the national animal health service of the region of origin.

[50 FR 43563, Oct. 25, 1985, as amended at 55 FR 31558, Aug. 2, 1990; 56 FR 55809, Oct. 30, 1991; 57 FR 29194, July 1, 1992; 62 FR 56025, Oct. 28, 1997]

§98.4 Import permit.

(a) Except as provided in subpart B of this part, an animal embryo shall not be imported into the United States unless accompanied by an import permit

issued by APHIS and unless imported into the United States within 14 days after the proposed date of arrival stated in the import permit.

(b) An application for an import permit must be submitted to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. An application form for an import permit may be obtained from this staff.

(c) The completed application shall include the following information:

(1) The name and address of the person intending to export an embryo from the region of origin,

(2) The name and address of the person intending to import an embryo,

(3) The species, breed, and number of embryos to be imported,

(4) The purpose of the importation,

(5) The region in which the embryo is conceived,

(6) The port of embarkation,

(7) The mode of transportation,

(8) The route of travel,

(9) The port of entry in the United States,

(10) The proposed date of arrival in the United States,

(11) The name and address of the person to whom the embryo will be delivered in the United States, and

(12) The measures to be taken to ensure that the embryo is collected and maintained under conditions adequate to protect against contamination of the embryo with infectious animal disease organisms.

(d) After receipt and review of the application by APHIS, an import permit indicating the applicable conditions under this subpart for importation into the United States shall be issued for the importation of embryos described in the application if such embryos appear to be eligible to be imported. Even though an import permit has been issued for the importation of an embryo, the embryo may be imported only if all applicable requirements of this subpart are met.

[50 FR 43563, Oct. 25, 1985, as amended at 56 FR 55809, Oct. 30, 1991; 57 FR 29194, July 1, 1992; 59 FR 67616, Dec. 30, 1994; 62 FR 56025, Oct. 28, 1997]

§ 98.5 Health certificate.

(a) Except as provided in subpart B of this part, an animal embryo shall not be imported into the United States unless it is accompanied by a certificate issued by a full-time salaried veterinary officer of the national government of the region of origin, or issued by a veterinarian designated or accredited by the national government of the region of origin and endorsed by a full-time salaried veterinary officer of the national government of the region of origin, representing that the veterinarian issuing the certificate was authorized to do so. The certificate shall state:

(1) The dates, places, types, and results of all examinations and tests performed on the donor sire and donor dam as a condition for importation of the embryo, and the names and addresses of persons or laboratories conducting the examinations or tests, and a statement that any other requirements established by §98.3 have been complied with,

(2) The name and address of the consignor and consignee,

(3) The name and address of the approved artificial insemination center where the semen for the embryo was collected, if applicable,

(4) The name and address of the approved embryo transfer unit where the donor dam was inseminated or bred and the embryo was collected, and

(5) The measures taken to ensure that the embryo was collected and maintained under conditions adequate to protect against contamination of the embryo with infectious animal disease organisms.

(b) The certificate accompanying sheep or goat embryos intended for importation from any part of the world shall, in addition to the statements required by paragraph (a) of this section, state that:

(1) The embryos' sire and dam have not been in any flock or herd nor had contact with sheep or goats which have been in any flock or herd where scrapie has been diagnosed or suspected during the 5 years prior to the date of collection of the embryos;

(2) The embryos' sire and dam showed no evidence of scrapie at the time the embryos were collected;

(3) Scrapie has not been suspected nor confirmed in any progeny of the embryos' donor dam; and

(4) The parents of the embryos' sire and dam are not, nor were not, affected with scrapie.

(Approved by the Office of Management and Budget under control number 0579–0040.)

[50 FR 43563, Oct. 25, 1985, as amended at 56 FR 55809, Oct. 30, 1991; 61 FR 15183, Apr. 5, 1996; 61 FR 17241, Apr. 19, 1996; 62 FR 56025, Oct. 28, 1997]

§ 98.6 Ports of entry.

An embryo shall not be imported into the United States unless at a port of entry listed in § 93.303 for horses, § 93.403 for ruminants, or § 93.503 for swine of this chapter.

[50 FR 43563, Oct. 25, 1985, as amended at 55 FR 31558, Aug. 2, 1990; 62 FR 56025, Oct. 28, 1997]

§ 98.7 Declaration upon arrival.

Upon arrival of an embryo at a port of entry, the importer or the importer's agent shall notify APHIS of the arrival by giving an inspector a document stating:

(a) The port of entry,

(b) The date of arrival,

(c) Import permit number,

(d) Carrier, and identification of the means of conveyance,

(e) The name and address of the importer,

(f) The name and address of the broker,

(g) The region of origin of the embryo,

(h) The number, species, and purpose of importation of the embryo, and

(i) The name and address of the person to whom the embryo will be delivered.

[50 FR 43563, Oct. 25, 1985, as amended at 57 FR 29194, July 1, 1992; 62 FR 56025, Oct. 28, 1997]

§ 98.8 Inspection.

Any embryo offered for entry into the United States in accordance with this subpart and documents accompanying the embryo shall be subject to inspection by an inspector at the time the embryo is offered for entry in order to determine whether the embryo is eligible for entry. The import permit and the health certificate shall be given to the inspector.

[50 FR 43563, Oct. 25, 1985, as amended at 56 FR 55809, Oct. 30, 1991]

§ 98.9 Embryos refused entry.

Any embryo refused entry into the United States for noncompliance with the requirements of this subpart shall be removed from the United States within a time period specified by the Administrator or abandoned by the importer for destruction, and pending such action shall be subject to such safeguards as the inspector determines necessary to prevent the possible introduction into the United States of infectious animal diseases. If such embryo is not removed from the United States within such time period, or abandoned for destruction, it may be seized, destroyed, or otherwise disposed of as the inspector determines necessary to prevent the possible introduction into the United States of infectious animal diseases.

[50 FR 43563, Oct. 25, 1985, as amended at 56 FR 55809, Oct. 30, 1991; 57 FR 29194, July 1, 1992]

§ 98.10 Other importations.

Notwithstanding other provisions in this part, the Administrator may in specific cases allow the importation and entry into the United States of embryos other than as provided for in this part under such conditions as the Administrator may prescribe to prevent the introduction into the United States of infectious animal diseases.

[50 FR 43563, Oct. 25, 1985, as amended at 57 FR 29194, July 1, 1992]

§ 98.10a Embryos from sheep in regions other than Australia, Canada, and New Zealand.

(a) Except for embryos from sheep in Australia, Canada, or New Zealand, embryos from sheep may only be imported into the United States if they comply with all applicable provisions of this subpart and one of the following conditions:

(1) The embryos are transferred to females in a flock in the United States that participates in the Voluntary Scrapie Flock Certification Program

(see 9 CFR part 54, subpart B) and qualifies as a ''Certified'' flock; or

(2) The embryos are transferred to females in a flock in the United States that participates in the Voluntary Scrapie Flock Certification Program (see 9 CFR part 54, subpart B) and the flock owner has agreed, in writing, to maintain the flock, and all first generation progeny resulting from embryos imported in accordance with this section, in compliance with all requirements of the Voluntary Scrapie Flock Certification Program until the flock, including all first generation progeny resulting from embryos imported in accordance with this section, qualifies as a ''Certified'' flock.

(b) Sheep embryos may be imported under paragraph (a) of this section only if the importer provides the Voluntary Scrapie Flock Certification Program identification number of the receiving flock as part of the application for an import permit.

(c) Sheep embryos may be imported under paragraph (a)(1) of this section only if they are the progeny of a dam and sire that are part of flocks in the region of origin that participate in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, and the flocks have been determined by the Administrator to be at a level equivalent to ''Certified'' in the Voluntary Scrapie Flock Certification Program.

(d) Sheep embryos may be imported under paragraph (a)(2) of this section only if they are transferred to animals in a Certifiable Class C flock participating in the Voluntary Scrapie Flock Certification Program; *except,* that if the embryos are the progeny of a dam and sire whose flock in the region of origin participates in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, then the embryos may be placed in a flock in the United States which would be classified at a level equivalent to or lower (i.e., at a greater risk) than the certification level, as determined by the Administrator, of either the flock of the dam or the flock of the sire, whichever one presents the greater risk.

(e) The flock to which the sheep embryos are transferred pursuant to paragraph (a)(2) of this section must be monitored for scrapie disease until the flock, and all first generation progeny resulting from the embryos imported in accordance with this section, qualifies as a ''Certified'' flock.

(f) Except for sheep embryos being placed in Certifiable Class C flocks, the certificate accompanying sheep embryos imported under paragraph (a) of this section must contain the following statement: ''The embryos identified on this certificate are the progeny of a dam and sire that have been monitored by a salaried veterinary officer of [*name of region of origin*], for [*number of months*], in the same source flock which had been determined by the Administrator, APHIS, prior to the exportation of these embryos to the United States, to be equivalent to [*certification level (of dam or sire) presenting greater risk*] of the Voluntary Scrapie Flock Certification Program authorized under 9 CFR part 54, subpart B.''

(1) The Administrator will determine, based upon information supplied by the importer, whether the flock of the embryos' dam and sire participates in a program in the region of origin that is equivalent to the Voluntary Scrapie Flock Certification Program, and if so, at what level the source flock would be classified.

(2) In order for the Administrator to make a determination, the importer must supply the following information with the application for an import permit, no less than 1 month prior to the anticipated date of importation:

(i) The name, title, and address of a knowledgeable official in the veterinary services of the region of origin;

(ii) The details of scrapie control programs in the region of origin, including information on disease surveillance and border control activities and the length of time such activities have been in effect;

(iii) Any available information concerning additions, within the 5 years immediately preceding collection of the embryos, to the flock of the embryos' sire and dam;

(iv) Any available data concerning disease incidence, within the 5 years immediately preceding collection of

the embryos, in the flock of the embryos' sire and dam, including, but not limited to, the results of diagnostic tests, especially histopathology tests, conducted on any animals in the flock;

(v) Information concerning the health, within the 5 years immediately preceding collection of the embryos, of other ruminants, flocks, and herds with which the embryos' sire and dam and the flock of the embryos' sire and dam might have had physical contact, and a description of the type and frequency of the physical contact; and

(vi) Any other information requested by the Administrator in specific cases as needed to make a determination.

(g) All first generation progeny resulting from embryos imported under this section are subject to the requirements of 9 CFR part 54 and all other applicable regulations.

(Approved by the Office of Management and Budget under control numbers 0579–0040 and 0579–0101)

[61 FR 17241, Apr. 19, 1996, as amended at 62 FR 56025, Oct. 28, 1997]

Subpart B—Ruminant and Swine Embryos From Regions Where Rinderpest or Foot-and-Mouth Disease Exists

SOURCE: 56 FR 55809, Oct. 30, 1991, unless otherwise noted.

§98.11 Definitions.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Collection of embryos. Embryos removed from a single donor dam in one operation.

Embryo. The initial stages of development of an animal, after collection from the natural mother and while it is capable of being transferred to a recipient dam, but not after it has been transferred to a recipient dam.

Embryo collection unit. Area or areas where the donor dam will be bred to produce embryos for importation into the United States, and where the embryos will be collected, processed, and stored pending shipment to the United States.

Foreign Animal Disease Diagnostic Laboratory. The Foreign Animal Disease Diagnostic Laboratory of the Animal and Plant Health Inspection Service.

Herd of origin. The herd in which the donor dam is kept during the 60 days before the donor dam is required to be housed in an embryo collection unit, in accordance with §98.17(a) of this subpart.

Import. To bring into the territorial limits of the United States.

Inspector. An employee of the Animal and Plant Health Inspection Service who is authorized to perform the function involved.

Official veterinarian. A full-time salaried veterinarian of the national government of the country of origin or a veterinarian employed by the Animal and Plant Health Inspection Service (APHIS), and designated by APHIS to supervise or conduct procedures required by this subpart, and to certify that requirements of this subpart have been met.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other legal entity.

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.);

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Region of origin. The region in which the embryo is conceived and collected and from which the embryo is imported into the United States.

Ruminant. All animals which chew the cud, including cattle, buffaloes, camelids, cervids (deer, elk, moose, and antelope), sheep, goats, and giraffes.

Swine. The domestic hog and all varieties of wild hogs.

United States. All of the States of the United States, the District of Columbia, Guam, the Northern Mariana Islands, Puerto Rico, the Virgin Islands

of the United States, and all other territories and possessions of the United States.

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15183, Apr. 5, 1996; 62 FR 56025, Oct. 28, 1997]

§ 98.12 General prohibitions.

(a) Ruminant and swine embryos may not be imported from regions where rinderpest or foot-and-mouth disease exists except in accordance with this subpart.

(b) Ruminant and swine embryos may not be imported into the United States from any region other than the region in which they were conceived and collected.

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15183, Apr. 5, 1996; 62 FR 56025, Oct. 28, 1997]

§ 98.13 Import permit.

(a) Ruminant and swine embryos and all test samples required by this subpart may be imported into the United States from regions where foot-and-mouth disease or rinderpest exists only if accompanied by import permits issued by the Animal and Plant Health Inspection Service (APHIS).

(b) An application for the import permits must be submitted to the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road Unit 38, Riverdale, Maryland 20737–1231. Application forms also may be obtained at this same address. The application for a permit to import embryos will also serve as the application for a permit to import test samples for those embryos; separate applications are not required. The application must include the following information:

(1) The name and address of the exporter;

(2) The name and address of the importer;

(3) The name and address of the place where the donor dam will be bred and where the embryo(s) will be collected;

(4) The species, breed, and number of embryos to be imported;

(5) The purpose of the importation;

(6) The port of embarkation;

(7) The mode of transportation;

(8) The route of travel;

(9) The port of entry in the United States;

(10) The proposed date of arrival in the United States; and

(11) The name and address of the person to whom the embryos will be delivered in the United States.

(Approved by the Office of Management and Budget under control number 0579–0040)

[56 FR 55809, Oct. 30, 1991, as amended at 59 FR 67616, Dec. 30, 1994; 61 FR 15183, Apr. 5, 1996; 62 FR 56025, Oct. 28, 1997]

§ 98.14 Health certificate.

(a) Ruminant and swine embryos shall not be imported into the United States unless they are accompanied by a certificate issued by a full-time salaried veterinary officer of the national government of the region of origin, or issued by a veterinarian designated or accredited by the national government of the region of origin and endorsed by a full-time salaried veterinary officer of the national government of the region of origin, representing that the veterinarian issuing the certificate was authorized to do so.

(b) The health certificate must state:

(1) The name and address of the place where the embryos were collected;

(2) The name and address of the vetrinarian who collected the embryos;

(3) The date of embryo collection;

(4) The identification and breed of the donor dam and donor sire;

(5) The number of ampules or straws covered by the health certificate and the identification number or code on each ampule or straw;

(6) The dates, types, and results of all examinations and tests performed on the donor dam and donor sire as a condition for importing the embryos;

(7) The dates and results of all tests performed on unfertilized eggs, nontransferrable embryos, and embryo collection and wash fluids;

(8) The names and addresses of the consignor and consignee;

(9) That the embryos are being imported into the United States in accordance with subpart B of 9 CFR part 98.

(c) If any of the information required by paragraph (b) of this section is provided in code, deciphering information must be attached to the health certificate.

(d) The health certificate accompanying sheep or goat embryos intended for importation from any part of the world shall, in addition to the statements required by paragraph (b) of this section, state that:

(1) The embryos' sire and dam have not been in any flock or herd nor had contact with sheep or goats which have been in any flock or herd where scrapie has been diagnosed or suspected during the 5 years prior to the date of collection of the embryos;

(2) The embryos' sire and dam showed no evidence of scrapie at the time the embryos were collected;

(3) Scrapie has not been suspected nor confirmed in any progeny of the embryos' donor dam; and

(4) The parents of the embryos' sire and dam are not, nor were not, affected with scrapie.

(e) There must be a separate health certificate for each collection of embryos.

(Approved by the Office of Management and Budget under control number 0579–0040)

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15183, Apr. 5, 1996; 61 FR 17242, Apr. 19, 1996; 62 FR 56025, Oct. 28, 1997]

§98.15 Health requirements.

Ruminant and swine embryos may be imported from a region where rinderpest or foot-and-mouth disease exists only if all of the following conditions are met:

(a) The donor dam is determined to be free of communicable diseases based on tests, and examinations, and other requirements, as follows:

(1) During the year before embryo collection, no case of the following diseases occurred in the embryo collection unit or in any herd in which the donor dam was present:

(i) Ruminant: Bovine spongiform encephalopathy, contagious bovine pleuropneumonia, foot-and-mouth disease, Rift Valley fever, rinderpest, or vesicular stomatitis; or

(ii) Swine: African swine fever, foot-and-mouth disease, hog cholera, pseudorabies, rinderpest, swine vesicular disease, or vesicular stomatitis.

(2) During the year before embryo collection, no case of the following diseases occurred within 5 kilometers of the embryo collection unit or in any herd in which the donor dam was present:

(i) Ruminant: Bovine spongiform encephalopathy, contagious bovine pleuropneumonia, foot-and-mouth disease, Rift Valley fever, rinderpest, or vesicular stomatitis; or

(ii) Swine: African swine fever, foot-and-mouth disease, hog cholera, pseudorabies, rinderpest, swine vesicular disease, or vesicular stomatitis.

(3) During the 60 days before embryo collection, the donor dam did not receive a vaccination for either rinderpest or foot-and-mouth disease.

(4) During the 60 days before the donor dam was required to be in the embryo collection unit, in accordance with §98.17(a) of this subpart, the donor dam remained in the same herd, and no ruminants or swine were added to that herd.

(5)(i) On the day of embryo collection, and again not less than 30 days nor more than 120 days afterward, one sample of at least 10 ml of serum was collected from the donor dam, frozen, and sent to the Foreign Animal Disease Diagnostic Laboratory for testing.

(ii) The donor dam was determined to be free of foot-and-mouth disease based upon tests of the pair of serum samples. In addition, if any of the following diseases exist in the region of origin, the donor dam was determined to be free of these diseases based upon additional tests of the serum samples:

(A) Ruminant: Contagious bovine pleuropneumonia, Rift Valley fever, rinderpest, or vesicular stomatitis; or

(B) Swine: African swine fever, hog cholera, pseudorabies, rinderpest, swine vesicular disease, or vesicular stomatitis.

(iii) If the donor dam was in any herd during the year before embryo collection that was not certified free of brucellosis by the national government of the region of origin, the donor dam was determined to be free of brucellosis based on tests of the serum samples.

(iv) The only official test results will be those provided by the Foreign Animal Disease Diagnostic Laboratory.

(6) If the donor dam was in any herd during the year before embryo collection that was not certified free of tuberculosis by the national government of the region of origin, the donor dam

was determined to be free of tuberculosis by an official veterinarian based on an intradermal tuberculin test. The test must have been administered to the donor dam by an official veterinarian not less than 30 days nor more than 120 days after embryo collection, and not less than 60 days after any previously administered intradermal test for tuberculosis.

(7)(i) Not less than 30 days nor more than 120 days after embryo collection, the donor dam was examined by an official veterinarian and found free of clinical evidence of the following diseases:

(A) Ruminant: Bovine spongiform encephalopathy, brucellosis, contagious bovine pleuropneumonia, foot-and-mouth disease, Rift Valley fever, rinderpest, tuberculosis, and vesicular stomatitis; or

(B) Swine: African swine fever, brucellosis, foot-and-mouth disease, hog cholera, pseudorabies, rinderpest, swine vesicular disease, tuberculosis, and vesicular stomatitis.

(ii) All signs of any other communicable disease must be listed on the health certificate that accompanies the embryos to the United States.

(8)(i) Between the time the embryos were collected and all examinations and tests required by this subpart were completed, no animals in the embryo collection unit with the donor dam, or in the donor dam's herd of origin, exhibited any clinical evidence of:

(A) Ruminant: Bovine spongiform encephalopathy, brucellosis, contagious bovine pleuropneumonia, foot-and-mouth disease, Rift Valley fever, rinderpest, tuberculosis, and vesicular stomatitis; or

(B) Swine: African swine fever, brucellosis, foot-and-mouth disease, hog cholera, pseudorabies, rinderpest, swine vesicular disease, tuberculosis, and vesicular stomatitis.

(ii) All signs of any other communicable disease must be listed on the health certificate that accompanies the embryos to the United States.

(b) The donor dam or donor sire is determined to be free of communicable diseases based on other testing or certifications if required by the Administrator. The Administrator may require additional testing or certifications if he or she determines that they are necessary to determine either the donor dam's or the donor sire's freedom from communicable diseases. Circumstances that may result in additional testing or certifications include, but are not limited to:

(1) The existence of communicable diseases of livestock, other than those diseases specifically listed, in the region of origin;

(2) A high prevalence or an increase in the incidence of a communicable disease in the region of origin;

(3) The use of natural breeding, rather than artificial insemination to conceive the embryos;

(4) The use of fresh, rather than frozen semen, for artificial insemination; and

(5) The use of semen collected at a site other than an artificial insemination center approved by the national government of the region of origin.

(c) Embryos produced by any donor dam or sire that dies before being examined and tested as required under this subpart will not be eligible for importation into the United States.

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15183, Apr. 5, 1996; 62 FR 56025, Oct. 28, 1997]

§ 98.16 The embryo collection unit.

Ruminant and swine embryos may be imported into the United States from a region where rinderpest or foot-and-mouth disease exists only if they were conceived, collected, processed, and stored prior to importation at an embryo collection unit. The embryo collection unit may be located on the premises where the donor dam's herd of origin is kept, or at any other location, provided that the embryo collection unit has been inspected and approved by an APHIS veterinarian and that the following requirements are met:

(a) *Animal holding and breeding area(s).* The embryo collection unit must have an area or areas for holding the donor dams and for breeding them (either natural breeding or artificial insemination).

(b) *Embryo collection area.* The embryo collection must have a room or outdoor area for collection of embryos that

contains a device or devices for restraining embryo donors during embryo collection. If a room, the floor, walls, and ceiling must be impervious to moisture and constructed of materials that can withstand repeated cleaning and disinfection. If an outdoor area, the area must have a floor that is impervious to moisture and is constructed of materials that can withstand repeated cleaning and disinfection. If the outdoor area also has walls or a roof, the walls or roof also must be impervious to moisture and be constructed of materials that can withstand repeated cleaning and disinfection.

(c) *Embryo processing area.* The embryo collection unit must have an enclosed room, which may be mobile, that is used *only* for processing embryos. The walls, floor, and ceiling of the room must be impervious to moisture and constructed of materials that can withstand repeated cleaning and disinfection. The room must contain a work surface for handling the embryos, such as a table or countertop that is impervious to moisture. The room also must contain a microscope with a minimum of 50x magnification, and equipment for freezing the embryos.

(d) *Embryo storage area.* The embryo collection unit must have one lockable area that is used only for storing frozen embryos intended for importation into the United States.

(e) *Area for cleaning and disinfecting or sterilizing equipment.* The embryo collection unit must have an enclosed room used for cleaning and disinfecting or sterilizing equipment used for artificial insemination or for collection, processing, or storage of embryos. The walls, floor, and ceiling of the room must be impervious to moisture and constructed of materials that can withstand repeated cleaning and disinfection.

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15184, Apr. 5, 1996; 62 FR 56025, Oct. 28, 1997]

§98.17 Procedures.

(a) *Housing of the donor dam.* (1) Beginning at least 24 hours before a donor dam is bred to produce embryos for importation to the United States, the donor dam must be housed at an embryo collection unit.

(2) The donor dam must remain at the embryo collection unit until the embryos for importation into the United States have been collected.

(3) After collection of embryos, the donor dam must either remain at the embryo collection unit or be returned to the herd of origin and remain there until all examinations and tests required by this subpart have been completed.

(4) During the time the donor dam is in the embryo collection unit, in accordance with paragraphs (a)(1) through (a)(3) of this section, no animals may be in the embryo collection unit with the donor dam unless:

(i) They meet the requirements of §98.15 of this subpart that are applicable to the donor dam at that time;

(ii) They are part of the donor dam's herd of origin; or

(iii) They are serving as donor sires for the production of embryos to be imported into the United States.

(b) *Oversight and supervision.* (1) All procedures associated with the production of embryos for importation into the United States, including artificial insemination, natural breeding, and cleaning and disinfection, must be performed under the oversight of an APHIS veterinarian. Collecting test samples, and collecting, processing, and storing embryos, must be supervised in person by an APHIS veterinarian.

(2) Officials from the Animal and Plant Health Inspection Service must be given access to all areas of the embryo collection unit and the donor dam's herd of origin during the time the donor dam is housed there, in accordance with paragraphs (a)(1) through (a)(3) of this section.

(c) *Personnel.* All personnel must put on clean outer garments, including disinfected boots, and must scrub their hands with soap and water each time they enter the embryo collection unit and before entering any room or area listed in §98.16 of this subpart.

(d) *Cleaning, disinfection, and sterilization.* (1) All equipment that comes in contact with embryos or with media used for their collection or processing must be sterile. Equipment used for

embryos from one donor dam, or with associated media, may not be used for embryos or associated media from any other donor dam until it has been resterilized.

(2) All equipment that comes in contact with a donor dam's secretions or excretions must be sterile and may not be used with any other donor dam until it has been resterilized.

(3) Containers used for storing embryos or for shipping embryos to the United States must be examined and found free of any organic matter and then disinfected before the ampules or straws are placed inside.

(4) The floor, ceiling, and walls of any room or outdoor area used for embryo collection, and the restraining device(s) used for this procedure, must be cleaned with soap and water and disinfected before the room or area is used to collect embryos intended for importation to the United States, and at least daily while in use for this purpose.

(5) The room and work surface used for processing embryos must be kept free of insects, rodents, trash, manure, and other animal matter and must be cleaned with soap and water and disinfected before the room is used for embryos intended for importation to the United States, and the work surface must be cleaned and disinfected at least daily while in use for this purpose.

(6) The area of the embryo collection unit used to store embryos intended for importation to the United States must be kept free of insects, rodents, trash, manure, and other animal matter and must be cleaned with soap and water and disinfected before being used to store the embryos.

(7) The room used for cleaning and disinfecting or sterilizing equipment used for artificial insemination or for collection, processing, or storage of embryos must be kept free of insects, rodents, trash, manure, and other animal matter and must be cleaned with soap and water and disinfected before being used to prepare equipment for donors of embryos intended for importation into the United States, and at least daily while in use for this purpose.

(e) *Media; cryogenic agent.* (1) All media containing products of animal origin and used for embryo collection and processing must be from sources in the United States or Canada.

(2) The liquid nitrogen used to freeze embryos may not have been used previously for any other products of animal origin.

(f) *Collection and processing of embryos.* (1) If embryos are collected in an outdoor area, they must be collected by using a closed collection system so that the embryos are not exposed to open air until they are inside the embryo processing room.

(2) Embryos from donors that do not meet the requirements of § 98.15 of this subpart that are applicable at the time of embryo collection may not be in the processing room at the same time as embryos intended for importation into the United States.

(3) Each embryo must be washed at least 10 times. Each wash must be accomplished by transferring the embryo into an aliquot of fresh medium that is 100 times the volume of the embryo plus any fluid transferred from the previous wash. No more than 10 embryos from the same flush may be washed together. A sterile micropipette must be used for each transfer, and the embryos must be well agitated throughout the entire volume of the wash before the next transfer. Embryos from different donors may not be washed together.

(4) After the last wash, each embryo must be microscopically examined over its entire surface at not less than 50× magnification. An embryo may not be imported into the United States unless its zona pellucida is found to be intact and free from any adherent material.

(5) After washing and examination of the zona pellucida, embryos must be individually packaged in sterile ampules or straws and frozen in liquid nitrogen. The donor dam's and sire's identifications and breed, the date of embryo collection, the name and address of the place where the embryos were collected, and an identification number for the straw or ampule must be recorded with indelible markings on each ampule or straw. If any of this information is provided in code, deciphering information must be attached

to the health certificate for the embryos.

(6) The Administrator may require additional measures to be taken in processing embryos after collection (for example, adding trypsin to the washes) if he or she determines that such measures are necessary to ensure the embryos freedom from infectious agents that may cause communicable diseases. Circumstances that may result in such additional measures being required include, but are not limited to:

(i) The existence of communicable diseases of livestock, other than those diseases specifically listed, in the region of origin; and

(ii) A high prevalence or an increase in the incidence of a communicable disease in the region of origin.

(g) *Preparation of test samples; tests.* (1) All nontransferrable embryos and unfertilized eggs from each collection of embryos intended for importation into the United States must be pooled, frozen in liquid nitrogen, and sent to the Foreign Animal Disease Diagnostic Laboratory for testing under the personal supervision of an APHIS veterinarian. The collection and last two wash fluids from the collection of embryos must be frozen and sent to the Foreign Animal Disease Diagnostic Laboratory for testing under the personal supervision of an APHIS veterinarian. Samples from different collections may not be mixed.

(2) All samples collected in accordance with paragraph (g)(1) of this section must be tested and found negative for viral contamination. The wash fluids also must be found negative for bacterial contamination. The only official results for these tests will be those provided by the Foreign Animal Disease Diagnostic Laboratory.

(h) *Storage of embryos.* (1) Frozen embryos to be imported into the United States must be stored in a locked area or must remain in the custody of an official veterinarian until they are sealed in accordance with paragraph (h)(2) of this section and released for shipment to the United States in accordance with §98.18(a) of this subpart; except that, the embryos may be moved to a U.S. Department of Agriculture-operated animal import center in either New York, Hawaii, or Florida, under seal and in the custody of that individual, and remain in quarantine there until all tests and examinations required by this subpart have been completed and all test results have been provided by the Foreign Animal Disease Diagnostic Laboratory.

(2) Containers in which embryos will be imported into the United States must be sealed by an official veterinarian with the official seal of the region of origin or, if the official veterinarian is an employee of the Animal and Plant Health Inspection Service, with an official seal of the United States Department of Agriculture. The seal number must be recorded on the health certificate that accompanies the embryos to the United States.

(Approved by the Office of Management and Budget under control number 0579–0040)

[56 FR 55809, Oct. 30, 1991, as amended at 61 FR 15184, Apr. 5, 1996; 62 FR 56026, Oct. 28, 1997]

§98.18 Shipment of embryos to the United States.

(a) *Release from the embryo collection unit.* Except as provided in §98.17(h)(1) of this subpart, embryos may not be moved from the embryo collection unit until all tests and examinations required by this subpart have been completed and the Import-Export Animals Staff, Veterinary Services, APHIS, has received written notification of all test results from the Foreign Animal Disease Diagnostic Laboratory.

(b) *Route.* The sealed shipping containers must be routed directly to the U.S. port of entry designated on the import permit.

(c) *Ports of entry.* The embryos may be imported into the United States only through a port of entry listed in §93.203(a) of this chapter.

(d) *Date of arrival in the United States.* Embryos that arrive at the port of entry more than 14 days after the proposed date of arrival stated in the import permit will not be eligible for importation into the United States.

[56 FR 55809, Oct. 30, 1991, as amended at 62 FR 56026, Oct. 28, 1997]

§ 98.19 Arrival and inspection at the port of entry.

(a) Upon arrival at the port of entry, the importer or the importer's agent must present an inspector at the port with the original health certificate and the original import permit for the embryos.

(b) The shipping container and all straws or ampules containing embryos must be made available to an inspector at the port of entry for inspection, and may not be removed from the port of entry until an inspector determines that the embryos are eligible for entry in accordance with this subpart and releases them.

§ 98.20 Embryos refused entry.

If any embryos are determined to be ineligible for importation into the United States upon arrival at the port of entry, the importer must remove the embryos from the United States within 30 days, or the embryos will be destroyed.

§ 98.21 Embryos from sheep in regions other than Australia, Canada, and New Zealand.

Except for embryos from sheep in Australia, Canada, or New Zealand, embryos from sheep may only be imported into the United States if they comply with all applicable provisions of this subpart and with § 98.10a.

(Approved by the Office of Management and Budget under control numbers 0579–0040 and 0579–0101)

[61 FR 17242, Apr. 19, 1996]

Subpart C—Certain Animal Semen

SOURCE: 55 FR 31558, Aug. 2, 1990, unless otherwise noted.

§ 98.30 Definitions.

Whenever in this subpart of the following terms are used, unless the context otherwise requires, they shall be construed, respectively, to mean:

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any other employee of the Animal and Plant Health Inspection Service, United States Department of Agriculture, to whom authority has been or may be delegated to act in the Administrator's stead.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS or Service.)

Animals. Cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, dogs, and poultry.

Cattle. Animals of the bovine species.

Communicable disease. Any contagious, infectious, or communicable disease of domestic livestock, poultry or other animals.

Department. The United States Department of Agriculture (USDA).

Flock. A herd.

Herd. All animals maintained on any single premises; and all animals under common ownership or supervision on two or more premises which are geographically separated, but among which there is an interchange or movement of animals.

Horses. Horses, asses, mules, and zebras.

Inspector. An employee of the Animal and Plant Health Inspection Service authorized to perform duties required under this subpart.

Port veterinarian. A veterinarian employed by the Animal and Plant Health Inspection Service to perform duties required under this part at a port of entry.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys (including eggs for hatching).

Region. Any defined geographic land area identifiable by geological, political, or surveyed boundaries. A region may consist of any of the following:

(1) A national entity (country);

(2) Part of a national entity (zone, county, department, municipality, parish, Province, State, etc.)

(3) Parts of several national entities combined into an area; or

(4) A group of national entities (countries) combined into a single area.

Ruminants. All animals which chew the cud, such as cattle, buffaloes, sheep, goats, deer, antelopes, camels, llamas and giraffes.

Swine. The domestic hog and all varieties of wild hogs.

United States. All of the States of the United States, the District of Columbia, Guam, Northern Mariana Islands, Puerto Rico, the Virgin Islands of the United States, and all other Territories and Possessions of the United States.

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991; 61 FR 17242, Apr. 19, 1996; 62 FR 56026, Oct. 28, 1997]

§ 98.31 General prohibitions; exceptions.

(a) No product subject to the provisions of this subpart shall be brought into the United States except in accordance with the regulations in this subpart and part 94 of this subchapter; nor shall any such product be handled or moved after physical entry into the United States before final release from quarantine or any other form of governmental detention except in compliance with such regulations; *Provided,* That, except as prohibited by section 306 of the Act of June 17, 1930, as amended (19 U.S.C. 1306), the Administrator may upon request in specific cases permit products to be brought into or through the United States under such conditions as he or she may prescribe, when he or she determines in the specific case that such action will not endanger the livestock or poultry of the United States.

(b) Animal semen may not be imported into the United States from any region other than the region in which it was collected.

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991, and amended at 58 FR 37643, July 13, 1993; 59 FR 26596, May 23, 1994; 62 FR 56026, Oct. 28, 1997]

§ 98.32 Inspection of certain aircraft and other means of conveyance and shipping containers thereon; unloading, cleaning, and disinfection requirements.

(a) *Inspection:* All aircraft and other means of conveyance (including shipping containers thereon) moving into the United States from any foreign region are subject to inspection without a warrant by properly identified and designated inspectors to determine whether they are carrying any animal, carcass, product or article regulated or subject to disposal under any law or regulation administered by the Secretary of Agriculture for prevention of the introduction or dissemination of any communicable animal disease (21 U.S.C. 134d).

(b) *Unloading requirements:* Whenever in the course of any such inspection at any port in the United States the inspector has reason to believe that the means of conveyance or container is contaminated with material of animal (including poultry) origin, such as, but not limited to, meat, organs, glands, extracts, secretions, fat, bones, blood, lymph, urine, or manure, so as to present a danger of the spread of any communicable animal disease, the inspector may require the unloading of the means of conveyance and the emptying of the container if he or she deems it necessary to enable him or her to determine whether the means of conveyance or container is in fact so contaminated. The principal operator of the means of conveyance and his or her agent in charge of the means of conveyance shall comply with any such requirement under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(c) *Cleaning and disinfection:* Whenever, upon inspection under this section, an inspector determines that a means of conveyance or shipping container is contaminated with material of animal origin so as to present a danger of the spread of any communicable animal disease, he or she shall notify the principal operator of the means of conveyance or his or her agent in charge, of such determination and the requirements under this section. The person so notified shall cause the cleaning and disinfection of such means of conveyance and container under the immediate supervision of, and in the time and manner prescribed by, the inspector.

(d) For purposes of this section, the term ''shipping container'' means any container of a type specially adapted for use in transporting any article on the means of conveyance involved.

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991; 62 FR 56026, Oct. 28, 1997]

§ 98.33 Ports designated for the importation of certain animal semen.

(a) *Air and ocean ports.* The following air and ocean ports are designated as having inspection facilities for the entry of animal semen: Los Angeles, California; Miami, Florida; Honolulu, Hawaii; and Newburgh, New York.

(b) *Canadian border ports.* The following land border ports are designated as having inspection facilities for the entry of animal semen from Canada: Eastport, Idaho; Houlton and Jackman, Maine; Detroit, Port Huron, and Sault Ste. Marie, Michigan; Baudette, Minnesota; Opheim, Raymond, and Sweetgrass, Montana; Alexandria Bay, Buffalo, and Champlain, New York; Dunseith, Pembina, and Portal, North Dakota; Derby Line and Highgate Springs, Vermont; Blaine, Lynden, Oroville, and Sumas, Washington.

(c) *Mexican border ports.* The following land border ports are designated as having inspection facilities for the entry of animal semen from Mexico: Douglas, Naco, Nogales, San Luis, and Sasabe, Arizona; Calexico and San Ysidro, California; Antelope Wells, Columbus, and Santa Teresa, New Mexico; Brownsville, Del Rio, Eagle Pass, El Paso, Hidalgo, Laredo, and Presidio, Texas.

(d) *Limited ports.* The following limited ports are designated as having inspection facilities for the entry of animal semen: Anchorage and Fairbanks, Alaska; San Diego, California; Jacksonville, St. Petersburg-Clearwater, and Tampa, Florida; Atlanta, Georgia; Chicago, Illinois; New Orleans, Louisiana; Portland, Maine; Baltimore, Maryland; Boston, Massachusetts; International Falls and Minneapolis, Minnesota; Great Falls, Montana; Portland, Oregon; San Juan, Puerto Rico; Memphis, Tennessee; Galveston and Houston, Texas; Seattle, Spokane, and Tacoma, Washington.

(e) *Designation of other ports.* The Secretary of the Treasury has approved the designation as quarantine stations of the ports specified in this section. In special cases other ports may be designated as quarantine stations under this section by the Administrator, with the concurrence of the Secretary of the Treasury.

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991, and amended at 58 FR 37643, July 13, 1993; 60 FR 16045, Mar. 29, 1995; 60 FR 25120, May 11, 1995; 64 FR 23179, Apr. 30, 1999]

§ 98.34 Import permits for poultry semen and animal semen.

(a) *Application for permit; reservation required.* (1) For poultry semen and animal semen, intended for importation from any part of the world, except as otherwise provided for in §98.36, the importer shall first apply for and obtain from APHIS an import permit. The application shall specify the name and address of the importer; the species, breed, quantity of animal semen to be imported; the purpose of the importation; individual animal identification (except poultry) which includes a description of the animal, name, age, markings, if any, registration number, if any, and tattoo or eartag; the region of origin; the name and address of the exporter; the port of embarkation in the foreign region; the mode of transportation, route of travel, and the port of entry in the United States; the proposed date of arrival of the animal semen to be imported; and the name of the person to whom the animal semen will be delivered and the location of the place in the United States to which delivery will be made from the port of entry. Additional information may be required in the form of certificates concerning specific diseases to which the animals are susceptible, as well as vaccinations or other precautionary treatments to which the animals or animal semen have been subjected. Notice of any such requirements will be given to the applicant in each case.

(2) An application for permit to import will be denied for semen from ruminants or swine from any region where it has been declared, under section 306 of the Act of June 17, 1930, that foot-and-mouth disease or rinderpest has been determined to exist, except as provided in paragraph (c) of this section.

(3) An application for permit to import poultry semen or animal semen may also be denied because of: Communicable disease conditions in the area

or region of origin, or in a region through which the shipment has been or will be transported; deficiencies in the regulatory programs for the control or eradication of animal diseases and the unavailability of veterinary services in the above mentioned regions; the importer's failure to provide satisfactory evidence concerning the origin, history, and health status of the animals or animal semen; the lack of satisfactory information necessary to determine that the importation will not be likely to transmit any communicable disease to livestock or poultry of the United States; or any other circumstances which the Administrator believes require such denial to prevent the dissemination of any communicable disease of livestock or poultry into the United States.

(b) *Permit.* When a permit is issued, the original and two copies will be sent to the importer. It shall be the responsibility of the importer to forward the original permit and one copy to the shipper in the region of origin, and it shall also be the responsibility of the importer to insure that the shipper presents the copy of the permit to the carrier and makes proper arrangements for the original permit to accompany the shipment to the specified U.S. port of entry for presentation to the collector of customs. Animal semen intended for importation into the United States for which a permit has been issued, will be received at the specified port of entry within the time prescribed in the permit which shall not exceed 14 days from the first day that the permit is effective for all permits. Poultry semen and animal semen for which a permit is required by these regulations will not be eligible for entry if a permit has not been issued; if unaccompanied by such a permit; if shipment is from any port other than the one designated in the permit; if arrival in the United States is at any port other than the one designated in the permit; if the animal semen offered for entry differs from that described in the permit; or if the animal semen is not handled as outlined in the application for the permit and as specified in the permit issued.

(c) *Animal semen from regions where rinderpest or foot-and-mouth disease exists.* Importation of semen of ruminants or swine, originating in any region designated in paragraph (a) of §94.1 of this subchapter as a region where rinderpest or foot-and-mouth disease is determined to exist, is prohibited, except that semen from ruminants or swine originating in such a region may be offered for entry into the United States at the port of New York and later released from such port provided the following conditions have been fulfilled:

(1) The importer has applied for and obtained an import permit for the semen in accordance with the provisions of this section and related requirements concerning application therefor, which permit is in effect at the time of importation, and has deposited with the Department prior to the issuance of the permit sufficient funds so as to be available for defraying estimated expenses to be incurred in connection with the proposed semen importation and following the issuance of the permit has deposited such other amounts as may be required from time to time to defray unanticipated costs or increased expenses. Such an import permit may be denied for the reasons specified in paragraph (a)(3) of this section. Furthermore, an import permit will be revoked unless the following conditions have been complied with:

(i) The donor animal shall have been inspected on the farm of origin or on another premises (the inspection may be on another premises only if a veterinarian of the Department has traced the donor animal back to its farm of origin) by a veterinarian of the United States Department of Agriculture who, in cooperation with the veterinary service of the region of origin of the donor animal, shall have determined, insofar as possible, that the donor animal was never infected with rinderpest or foot-and-mouth disease; that the donor animal was never on a farm or other premise where rinderpest or foot-and-mouth disease then existed; that the donor animal has not been on a premise that had an animal that was susceptible to the virus of rinderpest or foot-and-mouth disease and that was exposed to either disease during the 12 months immediately prior to the date of inspection of the donor animal; that the donor animal, if a ruminant, has

never been vaccinated against rinderpest; that the donor animal, if a swine, has never been vaccinated against rinderpest or foot-and-mouth disease; and that the donor animal was free from evidence of other communicable disease;

(ii) The donor animal shall have been permanently identified in a manner satisfactory to a veterinarian of this Department; a blood sample and an oesophageal-pharyngeal tissue sample (O-P sample) from such a donor ruminant and a blood sample from such a donor swine for tests as specified in paragraph (c)(1)(iv) of this section or other tests shall have been collected by a veterinarian of the United States Department of Agriculture and transported by air to the New York Port Veterinarian for delivery to the Foreign Animal Disease Diagnostic Laboratory, Greenport, New York, in containers approved by a veterinarian of this Department, sealed in the region of origin by a veterinarian of this Department; and pending the results of the tests, the donor animal shall have been kept in isolation on the farm of origin or other acceptable location under the supervision of a veterinarian of this Department, and during such isolation period no animal susceptible to rinderpest or foot-and-mouth disease shall have been permitted to enter such farm or location and no other source of exposure to rinderpest or foot-and-mouth disease shall have been present;

(iii) The blood samples from the donor animal shall have been negative to the tests specified in paragraph (c)(1)(iv) of this section made at the Foreign Animal Disease Diagnostic Laboratory, Greenport, New York, and to any other test for rinderpest, foot-and-mouth disease or other communicable disease prescribed by the Administrator.

(iv) In the case of a ruminant, each blood sample collected pursuant to paragraph (c)(1)(ii) or (vi) of this section shall have been tested for foot-and-mouth disease using the virus infection associated (VIA) test and each O–P sample collected pursuant to paragraph (c)(1)(ii) or (iv) of this section shall have been tested for foot-and-mouth disease using the virus isolation test. In the case of a swine, each blood sample collected pursuant to paragraph (c)(1)(ii) or (vi) of this section shall have been tested for foot-and-mouth disease using the virus infection associated (VIA) test and the virus neutralization test.''[1]

(v) Following isolation, preliminary veterinary inspection, and testing while the donor animal was on the farm of origin or other acceptable location, the donor animal shall have been transported, under such conditions as the Department veterinarian prescribed to prevent exposure of the animal to the virus of rinderpest or foot-and-mouth disease, to an isolation facility properly equipped for the necessary care and maintenance of the donor animal and for the proper collection and handling of semen, approved by a veterinarian of this Department and under the direct supervision of such veterinarian;

(vi) The semen of the donor animal shall have been collected at the approved isolation facility under the direct supervision of a veterinarian of this Department (any number of collections may be made); such veterinarian shall take a 0.5 ml sample of semen from each semen collection; and all handling procedures, such as examination, dilution, refrigeration, and preparation of the semen for shipment, shall have been under the direct supervision of a veterinarian of this Department. In the case of a ruminant, a blood sample and an O–P sample shall have been taken from the donor animal by a veterinarian of the Department within 7 days after the final semen collection, and between 21 to 28 days after the taking of these samples another blood sample shall have been taken from the donor animal by a veterinarian of the Department. In the case of a swine, a blood sample shall have been taken from the donor animal by a veterinarian of the Department within 7 days after the final semen collection, and between 21 to 28 days after the taking of the sample, another blood sample

[1] The test procedures for the virus infection associated (VIA) test, the virus isolation test, and the virus neutralization test are available from the Chief, Foreign Animal Disease Diagnostic Laboratory, National Veterinary Services Laboratories, P.O. Box 848, Greenport, NY 11944.

shall have been taken from the donor animal by a veterinarian of the Department.

(2) The semen collected at the approved isolation facility shall have been at all times, except during air transportation to New York, in the custody of a veterinarian of this Department.

(3) The semen for which an import permit has been issued shall have been transported by air to the port of New York in liquid nitrogen containers approved by a veterinarian of this Department; sealed in the region of origin by a veterinarian of this Department; and accompanied by a statement by such veterinarian showing the identification of the donor animal and the dates the semen was collected, along with a certificate regarding the health status of the donor animal as of the date of shipment of the semen to the port of New York. All semen received at the port of New York shall be held under quarantine in liquid nitrogen storage at such port in the custody of APHIS until released or otherwise disposed of as provided in this section.

(4) The donor animal shall have been retained at the approved isolation facility in the region where the semen was collected until all of the applicable samples referred to in paragraph (c)(1)(vi) of this section have been collected by a veterinarian of the Department for tests as specified in paragraph (c)(1)(iv) of this section at the Foreign Animal Disease Diagnostic Laboratory, Greenport, New York, and any other tests as required by the Administrator.

(5) The semen sample from each collection shall have consisted of unprocessed semen without any added substances, and shall have been tested at the Foreign Animal Disease Diagnostic Laboratory, Greenport, New York. Such tests shall have been performed by injecting the semen samples into test animals which are susceptible to rinderpest or foot-and-mouth disease. The semen collected at the approved isolation facility, other than the semen samples, may be held in the region of origin or at the port of New York, at the option of the importer, until all of the testing required to be conducted under this section is completed.

(6) If it is determined that the requirements set forth in this paragraph have been complied with and there are no indications that the donor animal or the semen from the donor animal harbors the virus of rinderpest or foot-and-mouth disease or any other communicable disease and if the donor animal, blood samples from the donor animal, O–P samples (if applicable) from the donor animal, and semen samples from the donor animal are negative to all other tests required, the semen shall be released for shipment to the consignee listed by the importer; otherwise the semen shall be destroyed or disposed of as the Administrator, may direct.

(7) *Porcine semen from the People's Republic of China.* In addition to the other requirements of this part, porcine semen may be imported into the United States from the People's Republic of China (PRC) only after the official veterinary organization (OVO) of the PRC has certified that the PRC is free of African swine fever, rinderpest, and Teschen's disease, and after the following conditions have been fulfilled:

(i) The donor boars must pass a 60-day isolation/collection period in a facility jointly approved by the OVO of the PRC and the USDA as adequate to prevent exposure of the donor boars to infectious diseases. Any other swine at the isolation facility, such as teaser animals, must also meet the requirements of this paragraph. No animals may be added to the group after the start of the 60-day isolation/collection period. The Department will permit collection of semen to be initiated at the beginning of the isolation/collection period. The facility shall be cleaned and disinfected with a 4 percent sodium carbonate solution used in accordance with applicable label instructions in the presence of OVO quarantine personnel prior to the start of the isolation. During the isolation/collection period, personnel handling the animals shall not have contact with other domestic farm livestock (this term does not include pets such as dogs and cats). Raw animal food wastes (garbage) shall not be fed to the donor boars while in isolation. At the start of the isolation/collection period, and

again after 14 days of isolation, all animals offered for collection of semen must be given an intramuscular injection of dihydrostreptomycin at a rate of 25 mg/kg dosage as a precautionary treatment for leptospirosis. Feed and bedding used during the isolation/collection period shall not originate from areas infected with epizootic diseases and must meet veterinary hygienic requirements established by the OVO of the PRC concerning freedom of the feed and bedding from contamination that could transmit diseases. During the isolation/collection period the swine at the collection center shall not have direct contact with, or exposure to, any other animals not included in the group at the isolation facility. Exposure consists of contact with yards, pens, or other facilities or vehicles that have been in contact with animals and have not been cleaned and disinfected.

(ii) Donor boars shall be selected from premises which are solely swine breeding operations. These premises must be located at the center of an area with a 16 km radius that was free of foot-and-mouth disease (FMD), swine vesicular disease (SVD), and hog cholera for three years prior to semen collection. Donor boars shall not have been vaccinated against these diseases. There shall have been no cases of these diseases on these premises for five years prior to the collection of semen. There shall have been no animal introduced into these premises from farms affected with these diseases for three years prior to the collection of semen. There shall have been no evidence of brucellosis, tuberculosis, or pseudorabies on these premises or on premises adjacent to these premises for one year prior to the collection of semen.

(iii) During the 60-day isolation/collection period, the boars offered for collection of semen shall be subjected to the following tests,[2] in lieu of the tests required by paragraphs (c)(1)(iv) and (vi) of this section. If test samples from any donor boars are lost, damaged, or destroyed prior to testing, or if test results are inconclusive, the donor boars involved shall be subjected to retesting:

(A) Foot-and-mouth disease:

(*1*) Microtiter virus neutralization (VN) test for types, A, O, C, and Asia. (The PRC will test for types A and O, and the United States will test for types C and Asia at the USDA Foreign Animal Disease Diagnostic Laboratory (FADDL)).

(*2*) Agar gel immunodiffusion (AGID) test using virus infection associated antigen (VIAA) in serum. (Animals having responses to the AGID test or reacting to the VN test at 1:10 dilution or greater shall be eliminated as semen donors, and all other swine in contact with them shall be retested within 30 days. If the whole group does not have the above responses and there is no clinical evidence of FMD, the group shall be eligible for collection of semen with respect to FMD. Otherwise, none of the group shall qualify as donors of semen for export.)

(B) Brucellosis: Standard tube test (STT) at less than 30 IU/ml, and card test (antigen and protocol to be supplied by USDA).

(C) Swine vesicular disease: Virus neutralization test at 1:40 dilution (serums to be tested at FADDL).

(D) Hog cholera: Fluorescent antibody neutralization (FAN) test at 1:16 dilution.

(E) Japanese B encephalitis: Hemagglutination inhibition (HI) test, negative according to PRC standards.

(F) Pseudorabies: Virus neutralization at 1:4 dilution.

(G) Tuberculosis: Intradermal test using bovine PPD tuberculin (Positive animals will be necropsied. If there are lesions of TB in the test positive pigs, the whole group will be ineligible as semen donors. If no lesions are found, the rest of the pigs will be eligible as semen donors with respect to tuberculosis.

All samples of the above tests, except as noted for FMD, SVD, and TB, will be submitted to laboratories designated by the OVO of the PRC. At least 21 days after the final collection of semen for exportation, the donor animals will be retested for the diseases listed above, with the exception of tuberculosis and Japanese encephalitis. In

[2] Technical information on laboratory methods and procedures for these tests may be obtained from the Administrator, c/o Director, National Veterinary Services Laboratories, P.O. Box 844, Ames, IA 50010.

addition, aliquots of each ejaculate of semen collected shall be submitted to FADDL for pathogen isolation tests for FMD, brucellosis, swine vesicular disease, hog cholera, Japanese encephalitis, and pseudorabies.

(iv) The semen will not be eligible for release in the United States until all tests in paragraph (c)(7)(iii) of this section have been completed with negative results.

(v) Each semen straw or ampule for export must be identified with the name or identification number of the donor boar and with the date of collection. A USDA veterinarian shall certify that he or she has supervised the collection and processing of the semen and its storage until the time it is shipped to the United States. Each shipment will be accompanied by a USDA veterinarian unless the semen is shipped directly to the port of New York, with no stops en route. Shipment to the United States will be in accordance with the terms of a USDA import permit. Semen imported in accordance with this section shall be released by USDA to the importer only after all requirements of this section have been met.

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991, and amended at 58 FR 37644, July 13, 1993; 59 FR 26596, May 23, 1994; 62 FR 56026, Oct. 28, 1997]

§ 98.35 Declaration, health certificate, and other documents for animal semen.

(a) The certificates, declarations, and affidavits required by the regulations in this subpart shall be presented by the importer or his or her agent to the collector of customs at the port of entry, upon arrival of animal semen at such port, for the use of the veterinary inspector at the port of entry.

(b) For all animal semen offered for importation, the importer or his or her agent shall first present two copies of a declaration which shall list the port of entry, the name and address of the importer, the name and address of the broker, the origin of the animal semen, the number, breed, species, and purpose of the importation, the name of the person to whom the animal semen will be delivered, and the location of the place to which such delivery will be made.

(c) All animal semen intended for importation into the United States shall be accompanied by a health certificate issued by a full-time salaried veterinary officer of the national government of the region of origin, or issued by a veterinarian designated or accredited by the national government of the region of origin and endorsed by a full-time salaried veterinary officer of the national government of the region of origin, representing that the veterinarian issuing the certificate was authorized to do so.

(d) The health certificate must state:

(1) The name and address of the place where the semen was collected;

(2) The name and address of the veterinarian who supervised the collection of the semen;

(3) The date of semen collection;

(4) The identification and breed of the donor animal;

(5) The number of ampules or straws covered by the health certificate and the identification number or code on each ampule or straw;

(6) The dates, types, and results of all examinations and tests performed on the donor animal as a condition for importing the semen;

(7) The names and addresses of the consignor and consignee; and

(8) That the semen is being imported into the United States in accordance with subpart C of 9 CFR part 98.

(e) The certificate accompanying sheep or goat semen intended for importation from any part of the world shall, in addition to the statements required by paragraph (d) of this section, state that:

(1) The semen donor has not been in any flock or herd nor had contact with sheep or goats which have been in any flock or herd where scrapie has been diagnosed or suspected during the 5 years prior to the date of collection of the semen;

(2) The semen donor showed no evidence of scrapie at the time the semen was collected; and

(3) The parents of the semen donor are not, nor were not, affected with scrapie.

(Approved by the Office of Management and Budget under control number 0579–0040)

[55 FR 31558, Aug. 2, 1990. Redesignated at 56 FR 55809, Oct. 30, 1991, as amended at 58 FR 37644, July 13, 1993; 61 FR 15184, Apr. 5, 1996; 61 FR 17242, Apr. 19, 1996; 62 FR 56026, Oct. 28, 1997]

CANADA

§ 98.36 Import permit, declaration, and health certificate for animal semen.

(a) For animal semen intended for importation from Canada, the importer shall first apply for and obtain from APHIS an import permit as provided in § 98.34: *Provided*, that an import permit is not required for animal semen offered for entry at a land border port designated in § 98.33(b) if the donor animal is not a sheep or goat and:

(1) Was born in Canada or the United States, and has been in no region other than Canada or the United States; or

(2) Has been legally imported into Canada from some other region and unconditionally released in Canada so as to be eligible to move freely within that region without restriction of any kind and has been in Canada after such release for 60 days or longer.

(b) For all animal semen offered for importation from Canada, the importer or his or her agent shall present two copies of a declaration and a copy of a health certificate as provided in § 98.35.

[58 FR 37644, July 13, 1993, as amended at 61 FR 17242, Apr. 19, 1996; 62 FR 56026, Oct. 28, 1997]

§ 98.37 Semen from sheep in regions other than Australia, Canada, and New Zealand.

(a) Except for semen from sheep in Australia, Canada, or New Zealand, semen from sheep may only be imported into the United States if it complies with all applicable provisions of this subpart and one of the following conditions:

(1) The semen is transferred to females in a flock in the United States that participates in the Voluntary Scrapie Flock Certification Program (see 9 CFR part 54, subpart B) and qualifies as a ''Certified'' flock; or

(2) The semen is transferred to females in a flock in the United States that participates in the Voluntary Scrapie Flock Certification Program (see 9 CFR part 54, subpart B), and the flock owner has agreed, in writing, to maintain the flock, and all first generation progeny resulting from semen imported in accordance with this section, in compliance with all requirements of the Voluntary Scrapie Flock Certification Program until the flock, including all first generation progeny resulting from semen imported in accordance with this section, qualifies as a ''Certified'' flock.

(b) Sheep semen may be imported under paragraph (a) of this section only if the importer provides the Voluntary Scrapie Flock Certification Program identification number of the receiving flock as part of the application for an import permit.

(c) Sheep semen may be imported under paragraph (a)(1) of this section only if it comes from a donor animal in a flock in the region of origin that participates in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, and the flock has been determined by the Administrator to be at a level equivalent to ''Certified'' in the Voluntary Scrapie Flock Certification Program.

(d) Sheep semen may be imported under paragraph (a)(2) of this section only if it is transferred to animals in a Certifiable Class C flock participating in the Voluntary Scrapie Flock Certification Program; except, that if the semen comes from a donor animal whose flock in the region of origin participates in a program determined by the Administrator to be equivalent to the Voluntary Scrapie Flock Certification Program, then the semen may be used in a flock in the United States which would be classified at a level equivalent to or lower (i.e., at greater risk) than the certification level, as determined by the Administrator, of the flock of the donor animal.

(e) The flock to which the sheep semen is transferred pursuant to paragraph (a)(2) of this section must be monitored for scrapie disease until the flock, and all first generation progeny resulting from the semen imported in

accordance with this section, qualifies as a ''Certified'' flock.

(f) Except for sheep semen being placed in Certifiable Class C flocks, the certificate accompanying the sheep semen imported under paragraph (a) of this section must contain the following statement: ''The semen identified on this certificate has been collected from a sire that has been monitored by a salaried veterinary officer of [*name of region of origin*], for [*number of months*], in the same source flock which had been determined by the Administrator, APHIS, prior to the exportation of the semen to the United States, to be equivalent to [*certification level*] of the Voluntary Scrapie Flock Certification Program authorized under 9 CFR part 54, subpart B.''

(1) The Administrator will determine, based upon information supplied by the importer, whether the donor animal's flock participates in a program in the region of origin that is equivalent to the Voluntary Scrapie Flock Certification Program, and if so, at what level the source flock would be classified.

(2) In order for the Administrator to make a determination, the importer must supply the following information with the application for an import permit, no less than 1 month prior to the anticipated date of importation:

(i) The name, title, and address of a knowledgeable official in the veterinary services of the region of origin;

(ii) The details of scrapie control programs in the region of origin, including information on disease surveillance and border control activities and the length of time these activities have been in effect;

(iii) Any available information concerning additions, within the 5 years immediately preceding collection of the semen, to the flock of the semen donor;

(iv) Any available data concerning disease incidence, within the 5 years immediately preceding collection of the semen in the donor animal's flock, including, but not limited to, the results of diagnostic tests, especially histopathology tests, conducted on any animals in the flock;

(v) Information concerning the health, within the 5 years immediately preceding collection of the semen, of other ruminants, flocks, and herds with which the donor animal and the donor animal's flock might have had physical contact, and a description of the type and frequency of the physical contact; and

(vi) Any other information requested by the Administrator in specific cases as needed to make a determination.

(g) All first generation progeny resulting from semen imported under this section are subject to the requirements of 9 CFR part 54 and all other applicable regulations.

(Approved by the Office of Management and Budget under control numbers 0579–0040 and 0579–0101)

[61 FR 17242, Apr. 19, 1996, as amended at 62 FR 56026, Oct. 28, 1997; 64 FR 23179, April 30, 1999]

PART 99—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER CERTAIN ACTS

Subpart A—General

Sec.

99.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

99.10 Stipulations.

AUTHORITY: Secs. 3, 4, 5, and 7, 23 Stat. 32, as amended; secs. 6, 26 Stat. 416, as amended; secs. 7 and 8, 26 Stat. 416; sec. 10, 26 Stat. 417; secs. 2 and 3, 32 Stat. 792, as amended; secs. 3 and 4, 76 Stat. 130; sec. 6, 76 Stat. 131, as amended; sec. 11, 76 Stat. 132; secs. 1 and 2, 84 Stat. 202; 21 U.S.C. 102–105, 111, 112, 114a, 117, 120, 122, 134b, 134c, 134e, 134f, 135, 135a; 7 CFR 2.22, 2.80, 371.2(d).

SOURCE: 48 FR 30095, June 30, 1983, unless otherwise noted. Redesignated at 52 FR 29502, Aug. 10, 1987.

Subpart A—General

§ 99.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under the following statutory provisions:

Act of May 29, 1884, commonly known as the Animal Industry Act, section 7, as amended (21 U.S.C. 117),

Act of August 30, 1890, section 6, as amended (21 U.S.C. 104),

Act of February 2, 1903, commonly known as the Cattle Contagious Diseases Act of 1903, section 3, as amended (21 U.S.C. 122),

Act of July 2, 1962, section 6(a), as amended (21 U.S.C. 134e),

Act of May 6, 1970, section 2, as amended (21 U.S.C. 135a).

In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 99.10 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under any of the Acts listed in § 99.1, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administrator or the Administrator's delegate gives notice of an apparent violation of the applicable Act, or the regulations issued thereunder, by such person and affords such person an opportunity for a hearing regarding the matter as provided by such Act;

(2) Such person expressly waives hearing and agrees to pay a specified penalty within a designated time; and

(3) The Administrator agrees to accept the penalty in settlement of the particular matter involved if the penalty is paid within the designated time.

(b) If the penalty is not paid within the time designated in such a stipulation, the amount of the stipulated penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

[48 FR 30095, June 30, 1983. Redesignated and amended at 52 FR 29502, Aug. 10, 1987]

SUBCHAPTER E—VIRUSES, SERUMS, TOXINS, AND ANALOGOUS PRODUCTS; ORGANISMS AND VECTORS

PART 101—DEFINITIONS

Sec.
101.1 Applicability.
101.2 Administrative terminology.
101.3 Biological products and related terms.
101.4 Labeling terminology.
101.5 Testing terminology.
101.6 Cell cultures.
101.7 Seed organisms.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 38 FR 8426, Apr. 2, 1973, unless otherwise noted.

§ 101.1 Applicability.

When used in parts 101 through 117 of this subchapter, the meaning of the words and phrases listed shall be as defined in this part.

§ 101.2 Administrative terminology.

The following administrative words and phrases shall mean:

Adjacent herd. Adjacent herds are herds physically contiguous to the herd of origin; there are no herds between an adjacent herd and the herd of origin.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service. The agency in the Department of Agriculture responsible for administering the Virus-Serum-Toxin Act.

Biological products. The term *biological products,* also referred to in this subchapter as biologics, biologicals, or products, shall mean all viruses, serums, toxins (excluding substances that are selectively toxic to microorganisms, *e.g.,* antibiotics), or analogous products at any stage of production, shipment, distribution, or sale, which are intended for use in the treatment of animals and which act primarily through the direct stimulation, supplementation, enhancement, or modulation of the immune system or immune response. The term ''biological products'' includes but is not limited to vaccines, bacterins, allergens, antibodies, antitoxins, toxoids, immunostimulants, certain cytokines, antigenic or immunizing components of live organisms, and diagnostic components, that are of natural or synthetic origin, or that are derived from synthesizing or altering various substances or components of substances such as microorganisms, genes or genetic sequences, carbohydrates, proteins, antigens, allergens, or antibodies.

(1) A product's intended use shall be determined through an objective standard and not a subjective one, and would be dependent on factors such as representations, claims (either oral or written), packaging, labeling, or appearance.

(2) The term *analogous products* shall include:

(i) Substances, at any stage of production, shipment, distribution, or sale, which are intended for use in the treatment of animals and which are similar in function to biological products in that they act, or are intended to act, through the stimulation, supplementation, enhancement, or modulation of the immune system or immune response; or

(ii) Substances, at any stage of production, shipment, distribution, or sale, which are intended for use in the treatment of animals through the detection or measurement of antigens, antibodies, nucleic acids, or immunity; or

(iii) Substances, at any stage of production, shipment, distribution, or sale, which resemble or are represented as biological products intended for use in the treatment of animals through appearance, packaging, labeling, claims (either oral or written), representations, or through any other means.

(3) The term *treatment* shall mean the prevention, diagnosis, management, or cure of diseases of animals.

Department. The U.S. Department of Agriculture.

Distributor. A person who sells, distributes, or otherwise places in channels of trade, one or more biological

products he does not produce or import.

Division. A marketing unit established by the licensee which may be named on labels, advertisements and promotional material in addition to the name and address of the producer.

Domestic animals. All animals, other than man, including poultry.

Establishment. One or more premises designated on the establishment license.

Guidelines. Guidelines establish principles or practices related to test procedures, manufacturing practices, product standards, scientific protocols, labeling, and other technical or policy considerations. Guidelines contain procedures or standards of general applicability that are usually not regulatory in nature, but that are related to matters that fall under the Virus-Serum-Toxin Act. Guidelines issued by the agency include Veterinary Biologics Licensing Considerations, Memoranda, Notices, and Supplemental Assay Methods.

Herd. Any group of animals, including birds, fish, and reptiles, maintained at a common location (e.g. lot, farm or ranch) for any purpose. The herd (or flock) includes all animals subsequently housed at the common location. If the principal animals of a group are moved to a different location, the group is still considered the same herd.

Herd of origin. The herd from which the microorganism used as seed for production of an autogenous biologic is isolated. Offspring and excess breeding stock (not the principal animals) moved or sold from one group of animals to another have changed herds and are no longer considered part of the herd they originated from. Groups of animals under the same ownership but at different locations are separate herds.

Inspection. An examination made by an inspector to determine the fitness of animals, establishments, facilities, and procedures used in connection with the preparation, testing, and distribution of biological products and the examination or testing of biological products.

Inspector. Any officer or employee of Animal and Plant Health Inspection Service who is authorized by the Administrator to do inspection work.

Licensed establishment. An establishment operated by a person holding an unexpired, unsuspended, and unrevoked U.S. Veterinary Biologics Establishment License.

Licensee. A person to whom an establishment license and at least one product license has been issued.

Microorganisms. Microscopic or submicroscopic organisms, which are sometimes referred to as organisms, which may introduce or disseminate disease of animals.

Nonadjacent herd. Nonadjacent herds are all herds other than the herd of origin and other than herds adjacent to the herd of origin. Herds adjacent to the herd of origin but in a different State from the herd of origin are also considered nonadjacent herds.

Permittee. A person who resides in the United States or operates a business establishment within the United States, to whom a permit to import biological products has been issued.

Person. Any individual, firm, partnership, corporation, company, association, educational institution, State or local governmental agency, or other organized group of any of the foregoing, or any agent, officer, or employee of any thereof.

Premises. All buildings, appurtenances, and equipment used to produce and store biological products located within a particular land area shown on building plans or drawings furnished by the applicant or the licensee and designated by an address adequate for identification.

Prepare or preparation. Sometimes referred to as manufacture or produce, means the steps and procedures used in the processing, testing, packaging, labeling, and storing of a biological product.

Regulations. The provisions in parts 101 through 118 of this subchapter.

Research investigator or research sponsor. A person who has requested authorization to ship an experimental biological product for the purpose of evaluating such product, or has been granted such authorization.

Secretary. The Secretary of Agriculture of the United States or any officer or employee of the Department to whom authority has heretofore been delegated, or to whom authority may

hereafter be delegated, to act in his stead.

Subsidiary. A corporation in which a corporate licensee owns in excess of 50 percent of the voting stock.

Veterinary Services. Veterinary Services unit of Animal and Plant Health Inspection Service of the Department.

Virus-Serum-Toxin Act. The Act of March 4, 1913, 37 Stat. 832–833; as amended December 23, 1985, Public Law 99–198, 99 Stat. 1654–1655; and as further amended September 28, 1988, Public Law 100–449, 102 Stat. 1868; 21 U.S.C. 151–159.

U.S. Veterinary Biological Product License. A document, sometimes referred to as a product license, which is issued pursuant to part 102 of this subchapter to the holder of an establishment license, as a part of and ancillary to the establishment license, and which authorizes production of a specified biological product in the designated licensed establishment.

U.S. Veterinary Biological Product Permit. A document, sometimes referred to as a permit, issued to a person authorizing the importation of specified biological products subject to restrictions and controls as provided in the regulations.

U.S. Veterinary Biologics Establishment License. A document referred to as an establishment license, which is issued pursuant to part 102 of this subchapter, authorizing the use of designated premises for production of biological products specified in one or more unexpired, unsuspended, and unrevoked product license(s).

[38 FR 8426, Apr. 2, 1973; 38 FR 9221, Apr. 12, 1973, as amended at 40 FR 46093, Oct. 6, 1975; 41 FR 44358, Oct. 8, 1976; 49 FR 22624, May 31, 1984; 52 FR 30131, Aug. 13, 1987; 56 FR 66782, 66783, Dec. 26, 1991; 57 FR 38756, Aug. 27, 1992; 62 FR 31328, June 9, 1997; 64 FR 43044, Aug. 9, 1999]

§ 101.3 Biological products and related terms.

When used in conjunction with or in reference to a biological product, the following terms shall mean:

(a) *Licensed biological product.* A biological product prepared within a licensed establishment by a person holding an unexpired, unsuspended, and unrevoked product license for such product.

(b) *Experimental biological product.* A biological product which is being evaluated to substantiate an application for a product license or permit.

(c) *Completed product.* A biological product in bulk or final container produced in compliance with the regulations to final form and composition.

(d) *Finished product.* A completed product which has been bottled, sealed, packaged, and labeled as required by the regulations.

(e) *Released product.* A finished product released for marketing after all requirements have been satisfactorily complied with.

(f) *Fraction.* A specific antigen, its antibodies, or its antitoxin which constitutes a component of a biological product.

(g) *Diluent.* A liquid used to rehydrate a desiccated product or a liquid used to dilute another substance.

(h) *Serial.* The total quantity of completed product which has been thoroughly mixed in a single container and identified by a serial number: *Provided,* That, when all or part of a serial of liquid biological product is packaged as diluent for all or part of a serial of desiccated product, the resulting combination packages shall be considered a serial of the multiple fraction product.

(i) *Subserial.* Each of two or more properly identified portions of a serial which are further processed at different times or under different conditions such as, but not limited to, being desiccated in different size final containers and/or at different times.

(j) *Outline of production.* A detailed protocol of methods of manufacture to be followed in the preparation of a biological product and which may sometimes be referred to as an outline.

(k) *Product Code Number.* A number assigned by Animal and Plant Health Inspection Service to each type of licensed biological product.

(l) *Harvest date.* Unless otherwise specified in a filed Outline of Production, the harvest date shall be the date blood or tissues are collected for production or the date cultures of living microorganisms are removed from production incubators.

(m) *Bacterin.* An inactivated bacterial product consisting of an antigenic suspension of organisms or particulate parts of organisms, representing a whole culture or a concentrate thereof, with or without the unevaluated growth products, which has been inactivated as demonstrated by acceptable tests written into the filed Outline of Production for the product.

(n) *Toxoid.* An inactivated bacterial product which consists of a sterile, antigenic toxin or toxic growth product, which has resulted from the growth of bacterial organisms in a culture medium from which the bacterial cells have been removed, which has been inactivated without appreciable loss of antigenicity as measured by suitable tests, and which is nontoxic as demonstrated by acceptable tests written into the filed Outline of Production.

(o) *Bacterin-toxoid.* An inactivated bacterial product which is either:

(1) A suspension of organisms, representing a whole culture or a concentrate thereof, with the toxic growth products from the culture which has been inactivated without appreciable loss of antigenicity as measured by suitable tests, the inactivation of organisms and toxins being demonstrated by acceptable tests written into the filed Outline of Production: *Provided,* That it shall contain cellular antigens and shall stimulate the development of antitoxin; or

(2) A combination product in which one or more toxoids or bacterin-toxoids is combined with one or more bacterins or one or more bacterin-toxoids.

(p) *Bacterial extract.* An inactivated bacterial product which consists of the sterile, nontoxic, antigenic derivatives extracted from bacterial organisms or from culture medium in which bacterial organisms have grown.

[38 FR 8426, Apr. 2, 1973, as amended at 42 FR 63770, Dec. 20, 1977; 50 FR 24903, June 14, 1985; 56 FR 66782, Dec. 26, 1991; 60 FR 14354, Mar. 17, 1995]

§ 101.4 Labeling terminology.

Terms pertaining to identification and packaging of biological products shall mean:

(a) *Label.* All written, graphic, or printed matter:

(1) Upon or attached to a final container of a biological product;

(2) Appearing upon any immediate carton or box used to package such final container; and

(3) Appearing on any accompanying enclosures (leaflets, inserts, or circulars) on which required information or directions as to the use of the biological product shall be found.

(b) *Labeling.* All labels and other written, printed, or graphic matter accompanying the final container.

(c) *Final container.* The unit, bottle, vial, ampule, tube, or other receptacle into which any biological product is filled for distribution and sale.

(d) *True name.* The name entered on the product license or permit at the time of issuance to differentiate the biological product from others: *Provided,* That, the principal part of such name shall be emphasized on such license or permit by being more prominently lettered than descriptive terms which may be necessary to complete the differentiation.

(e) *Serial number.* Numbers or numbers and letters used to identify and distinguish one serial from others.

(f) *Expiration date.* A date designating the end of the period during which a biological product, when properly stored and handled, can be expected with reasonable certainty, to be efficacious.

(g) *Label number.* A number assigned by Animal and Plant Health Inspection Service to each label or sketch submitted for review.

(h) *Master label.* The finished carton, container, or enclosure label for the smallest size final container that is authorized for a biological product, that serves as the Master template label applicable to all other size containers or cartons of the same product that is marketed by a licensee, subsidiary, division, or distributor.

[38 FR 8426, Apr. 2, 1973, as amended at 42 FR 63770, Dec. 20, 1977; 56 FR 66782, Dec. 26, 1991; 61 FR 29464, June 11, 1996]

§ 101.5 Testing terminology.

Terms used when evaluating biological products shall mean:

(a) *Standard Requirement.* Test methods, procedures, and criteria established by Animal and Plant Health Inspection Service for evaluating biological products to be pure, safe, potent, and efficacious, and not to be worthless, contaminated, dangerous, or harmful under the Act.

(b) *Log.* Logarithm computed to the base 10.

(c) *Pure or purity.* Quality of a biological product prepared to a final form relatively free of extraneous micro-organisms and extraneous material (organic or inorganic) as determined by test methods or procedures established by Animal and Plant Health Inspection Service in Standard Requirements or in the approved Outline of Production for such product, but free of extraneous microorganisms or material which in the opinion of the Administrator adversely affects the safety, potency, or efficacy of such product.

(d) *Safe or safety.* Freedom from properties causing undue local or systemic reactions when used as recommended or suggested by the manufacturer.

(e) *Sterile or sterility.* Freedom from viable contaminating microorganisms as demonstrated by procedures prescribed in part 113 of this subchapter, Standard Requirements, and approved Outlines of Production.

(f) *Potent or potency.* Relative strength of a biological product as determined by test methods or procedures as established by Animal and Plant Health Inspection Service in Standard Requirements or in the approved Outline of Production for such product.

(g) *Efficacious or efficacy.* Specific ability or capacity of the biological product to effect the result for which it is offered when used under the conditions recommended by the manufacturer.

(h) *Dose.* The amount of a biological product recommended on the label to be given to one animal at one time.

(i) *Vaccinate.* An animal which has been inoculated, injected, or otherwise administered a biological product being evaluated.

(j) *Control animal.* An animal, which may be referred to as a control, used in a test procedure for purposes of comparison or to add validity to the results.

(k) *Day.* Time elapsing between any regular working hour of one day and any regular working hour of the following day.

(l) *No test.* A test which produces inconclusive or invalid results and therefore, cannot be used to evaluate a biological product.

(m) *Healthy.* Apparently normal in all vital functions and free of signs of disease.

(n) *Unfavorable reactions.* Overt adverse changes which occur in healthy test animals subsequent to initiation of a test and manifested during the observation period prescribed in the test protocol which are attributable either to the biological product being tested or to factors unrelated to such product as determined by the responsible individual conducting the test.

(o) *Master reference.* A Master Reference is a reference whose potency is correlated, directly or indirectly, to host animal immunogenicity. The Master Reference may be used as the working reference in in vitro tests for relative potency. The Master Reference may also be used to establish the relative potency of a serial of product used in requalification studies and to establish the relative potency of working references. The preparation of a Master Reference as described in a filed Outline of Production may be:

(1) A completed serial of vaccine or bacterin prepared in accordance with a filed Outline of Production;

(2) A purified preparation of a protective immunogen or antigen; or

(3) A nonadjuvanted harvested culture of microorganisms.

(p) *Working reference.* A Working Reference is the reference preparation that is used in the in vitro test for the release of serials of product. Working References may be:

(1) Master References; or

(2) Serials of product that have been prepared and qualified, in a manner acceptable to Animal and Plant Health Inspection Service for use as reference preparations.

(q) *Qualifying serial.* (1) A serial of biological product used to test for immunogenicity when the Master or

Working Reference is a purified antigen or nonadjuvanted harvest material. Qualifying serials shall be produced in accordance with the filed Outline of Production, tested for immunogenicity in accordance with methods deemed appropriate by the Animal and Plant Health Inspection Service, and have a geometric mean relative potency, when compared to the Master Reference, of not greater than 1.0 as established by: independent parallel line assays with five or more replicates; or other valid assay methods for determining relative antigen content which demonstrate linearity, specificity, and reproducibility at least equivalent to the parallel line assay and are acceptable to the Animal and Plant Health Inspection Service.

(2) Qualifying serials used to requalify or extend the dating period of a Master Reference shall be determined to be immunogenic in accordance with methods deemed appropriate by the Animal and Plant Health Inspection Service as provided in paragraph (a)(1) of this section, and, in addition, shall be within their permitted dating period and have been prepared in accordance with the production method described in the currently filed Outline of Production.

(r) *Immunogenicity*. The ability of a biological product to elicit an immune response in animals as determined by test methods or procedures acceptable to the Animal and Plant Health Inspection Service.

[38 FR 8426, Apr. 2, 1973, as amended at 40 FR 45419, Oct. 2, 1975; 41 FR 6751, Feb. 13, 1976; 43 FR 3701, Jan. 27, 1978; 56 FR 66782, 66783 Dec. 26, 1991; 62 FR 19037, Apr. 18, 1997]

§ 101.6 Cell cultures.

When used in conjunction with or in reference to cell cultures, which may be referred to as tissue cultures, the following terms shall mean:

(a) *Batches of primary cells.* A pool of original cells derived from normal tissue up to and including the 10th subculture.

(b) *Cell line.* A pool of cells which are 11 or more subcultures from the tissue of origin.

(c) *Subculture.* Each flask to flask transfer or passage regardless of the number of cell replications.

(d) *Master Cell Stock (MCS).* The supply of cells of a specific passage level from which cells for production of biologics originate.

[38 FR 8426, Apr. 2, 1973, as amended at 40 FR 45419, Oct. 2, 1975; 49 FR 22624, May 31, 1984]

§ 101.7 Seed organisms.

When used in conjunction with or in reference to seed organisms, the following shall mean:

(a) *Master Seed.* An organism at a specific passage level which has been selected and permanently stored by the producer from which all other seed passages are derived within permitted levels.

(b) *Working Seed.* An organism at a passage level between Master Seed and Production Seed.

(c) *Production Seed.* An organism at a specified passage level which is used without further propagation for initiating preparation of a fraction.

[49 FR 22625, May 31, 1984]

PART 102—LICENSES FOR BIOLOGICAL PRODUCTS

Sec.

102.1 Licenses issued by the Administrator.
102.2 Licenses required.
102.3 License applications.
102.4 U.S. Veterinary Biologics Establishment License.
102.5 U.S. Veterinary Biological Product License.
102.6 Conditional licenses.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§ 102.1 Licenses issued by the Administrator.

Each establishment qualified to prepare biological products under the Virus-Serum-Toxin Act shall hold an unexpired and unrevoked U.S. Veterinary Biologics Establishment License issued by the Administrator and a U.S. Veterinary Biological Product License for each product prepared in such establishment unless the product is subject to the provisions of 9 CFR parts 103 or 106 of this subchapter.

[60 FR 48021, Sept. 18, 1995]

§ 102.2 Licenses required.

(a) Every person who prepares biological products subject to the Virus-Serum-Toxin Act shall hold an unexpired, unsuspended, and unrevoked U.S. Veterinary Biologics Establishment License and at least one unexpired, unsuspended, and unrevoked U.S. Veterinary Biological Product License issued by the Administrator to prepare a biological product.

(b) An applicant who applies for an establishment license must also apply for at least one product license. An establishment license will not be issued without a license authorizing the production of a biological product in the establishment.

[52 FR 11026, Apr. 7, 1987, as amended at 56 FR 66783, Dec. 26, 1991; 61 FR 52873, Oct. 9, 1996]

§ 102.3 License applications.

(a) *U.S. Veterinary Biologics Establishment License.* (1) The operator of each establishment of the kind specified in § 102.2 shall make written application to the Administrator for a license. Blank forms of application will be furnished upon request to Animal and Plant Health Inspection Service.

(2) When a person conducts more than one establishment, a separate application shall be made for each establishment.

(3) Whenever subsidiaries are to operate in an establishment for which license application is made, the applicant shall apply for permission for such subsidiaries to operate in the establishment and furnish therewith a complete statement regarding the relationship between the applicant and the subsidiaries.

(4) Facilities documents, prepared as prescribed in part 108 of this subchapter, shall accompany the application for license unless previously filed with Animal and Plant Health Inspection Service.

(5) Each application for a U.S. Veterinary Biologics Establishment License shall be accompanied by an application for one or more U.S. Veterinary Biological Product Licenses and the supporting documents required by paragraph (b)(2) of this section.

(6) A new application shall be made when a change of ownership, operation, or location of an establishment occurs; or prior to the expiration of a U.S. Veterinary Biologics Establishment License issued for an interim period of time.

(b) *U.S. Veterinary Biological Product License.* (1) The licensee of each establishment or applicant for an establishment license shall make written application to the Administrator for a U.S. Veterinary Biological Product License for each biological product to be prepared in the licensed establishment.

(2) Each application for a U.S. Veterinary Biological Product License shall be supported by:

(i) At least four copies of an Outline of Production prepared in accordance with §§ 114.8 and 114.9 of this subchapter; and

(ii) At least three copies of test reports and research data sufficient to establish purity, safety, potency, and efficacy of the product; and

(iii) Legends prepared as prescribed in § 108.5 of this subchapter designating which facilities are to be used in the preparation of each fraction; and

(iv) Labels in finished form or sketches prepared as prescribed in § 112.5 of this subchapter, together with information regarding all claims to be made on labels and in advertising matter to be used in connection with or related to the biological product.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 37763, Oct. 24, 1974, as amended at 48 FR 57472, Dec. 30, 1983; 49 FR 21043, May 18, 1984; 50 FR 50763, Dec. 12, 1985; 56 FR 66783, Dec. 26, 1991]

§ 102.4 U.S. Veterinary Biologics Establishment License.

(a) Before a U.S. Veterinary Biologics Establishment License will be issued by the Administrator for any establishment, an inspection shall be made to determine whether the condition, equipment, facilities, and the like, of the establishment, and the methods used to prepare biological products are in conformity with the requirements in the regulations.

(b) A license shall not be issued unless:

(1) In the opinion of the Administrator, the condition of the establishment, including its facilities, and the methods of preparation of biological products are such as reasonably to assure that the products shall accomplish the purpose for which they are intended; and

(2) The Administrator is satisfied on the basis of information before him that:

(i) The establishment shall be operated in compliance with the Act and applicable regulations and be under the supervision of person(s) competent in the preparation of biological products; and

(ii) The applicant, or the person having the responsibility for producing biological products in the establishment, or both, is qualified by education and experience, and has demonstrated fitness to produce such products in compliance with the Act and regulations issued pursuant thereto; *Provided*, That, previous violations of the Act, or such regulations or both shall be relevant to the Administrator's determination of fitness.

(3) Written assurance is filed with Animal and Plant Health Inspection Service that the biological products which are licensed to be prepared therein shall not be so advertised as to mislead or deceive the purchasers and that the packages or containers in which the same are to be marketed shall not bear any statement, design, or device which is false or misleading in any particular.

(c) U.S. Veterinary Biologics Establishment Licenses shall be numbered.

(d) Two or more licenses may bear the same number when they are issued for establishments under the same ownership or control, provided a serial letter is added to one or more to identify each license and the product produced thereunder.

(e) When a U.S. Veterinary Biologics Establishment License is issued for an establishment, it shall not apply to more than one person at the same location, except that subsidiaries of the licensee, when named in the license, may operate thereunder at the establishment named. The licensee with its subsidiaries will be held responsible for all operations conducted in the licensed establishment.

(f) When a licensee no longer holds at least one unexpired, unsuspended, or unrevoked product license authorizing the preparation of a biological product, or is in the process of obtaining a product license, the establishment license shall no longer be valid and shall be returned to the Administrator. In the case where an establishment license expires or is suspended or revoked, any product license authorizing preparation of a product at such establishment shall be invalid indefinitely or for as long as the suspension is in effect.

(g) Any license issued under this part to establishments in which biological products are prepared shall be issued on condition that the licensee permit the inspection of such establishments, products, product preparation, and all relevant records as provided in part 115 of this subchapter. Failure to permit inspection may result in the license being suspended or revoked.

(h) The provisions of paragraph (b) of this section shall also be applicable to, and be considered by, the Administrator in connection with each application for an additional product license.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 37762, Oct. 24, 1974; 39 FR 38364, Nov. 1, 1974, as amended at 41 FR 44359, Oct. 8, 1976; 48 FR 57472, Dec. 30, 1983; 52 FR 11026, Apr. 7, 1987; 52 FR 30131, Aug. 13, 1987; 56 FR 66783, Dec. 26, 1991; 60 FR 48021, Sept. 18, 1995; 61 FR 52873, Oct. 9, 1996; 62 FR 13294, Mar. 20, 1997]

§ 102.5 U.S. Veterinary Biological Product License.

(a) Authorization to produce each biological product shall be specified on a U.S. Veterinary Biological Product License, issued by the Administrator, and supplementary to the U.S. Veterinary Biologics Establishment License named therein.

(b) The following shall appear on the U.S. Veterinary Biological Product License:

(1) The U.S. Veterinary Biologics Establishment License Number for the establishment from which the product is released for marketing.

(2) The true name of the product.

(3) The product code number for the product.

(4) The date of issuance.

(5) Any restrictions designated by the Administrator under paragraph (e) of this section.

(6) When necessary to comply with § 102.6 of this part, a termination date and a brief description of requirements to be met for reissuance.

(c) The following provisions shall apply to all licensed biological products:

(1) Licensed biological products shall be prepared as required by the regulations and in accordance with a filed Outline of Production as prescribed in §§ 114.8 and 114.9 of this subchapter. No change shall be made in the preparation of a biological product without prior approval of the Administrator.

(2) In addition to restrictions imposed by the Administrator pursuant to paragraph (e) of this section, biological products may be subject to restrictions which are imposed by any State or other jurisdiction pertaining to the distribution and use of such products, based on local disease conditions.

(3) When requested by the Administrator, a licensee shall submit a list of licensed biological products prepared in the licensed establishment.

(d) Where the Administrator determines that the protection of domestic animals or the public health, interest, or safety, or both, necessitates restrictions on the use of a product, the product shall be subject to such additional restrictions as are prescribed on the license. Such restrictions may include, but are not limited to, limits on distribution of the product or provisions that the biological product is restricted to use by veterinarians, or under the supervision of veterinarians, or both.

(e) Any person may request that the distribution and use of a veterinary biological product be restricted if the restriction pertains to the protection of domestic animals or the public health, interest, or safety, or both. All requests must be sent, in writing, to the Director, Center for Veterinary Biologics, Licensing and Policy Development, 510 South 17th Street, Suite 104, Ames, IA 50010–8197. Requests must specify the restriction(s) being requested and must explain why the restrictions are needed. Copies of any supporting documents, such as scientific literature, published or unpublished articles, or data from tests, should be attached to the request. When a decision is reached regarding the request, the person submitting the request will be sent written notification of such decision.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 37763, Oct. 24, 1974, as amended at 48 FR 57472, Dec. 30, 1983; 50 FR 50764, Dec. 12, 1985; 52 FR 11026, Apr. 7, 1987; 56 FR 66783, Dec. 26, 1991; 57 FR 38760, Aug. 27, 1992; 59 FR 67616, Dec. 30, 1994; 62 FR 13294, Mar. 20, 1997; 64 FR 43044, Aug. 9, 1999]

§ 102.6 Conditional licenses.

In order to meet an emergency condition, limited market, local situation, or other special circumstance, including production solely for intrastate use under a State-operated program, the Administrator may, in response to an application submitted as specified in § 102.3(b) of this part, issue a conditional U.S. Veterinary Biological Product License to an establishment under an expedited procedure which assures purity and safety, and a reasonable expectation of efficacy. Preparation of products under a conditional license shall be in compliance with all applicable regulations and standards and may be restricted as follows:

(a) The preparation may be limited to a predetermined time period which shall be established at the time of issuance and specified on the license. Prior to termination of the license, the licensee may request reissuance. Such requests shall be substantiated with data and information obtained since the license was issued. After considering all data and information available, the Administrator shall either reissue the U.S. Veterinary Biological Product License or allow it to terminate.

(b) Distribution may be limited to the extent necessary to assure that the product will meet the basic criteria for issuance of the conditional license.

(c) Labeling for the product may be required to contain information on the conditional status of the license.

[52 FR 11026, Apr. 7, 1987, as amended at 60 FR 48021; Sept. 18, 1995]

PART 103—EXPERIMENTAL PRODUCTION, DISTRIBUTION, AND EVALUATION OF BIOLOGICAL PRODUCTS PRIOR TO LICENSING

Sec.

103.1 Preparation of experimental biological products.
103.2 Disposition of animals administered experimental biological products or live organisms.
103.3 Shipment of experimental biological products.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§ 103.1 Preparation of experimental biological products.

Except as otherwise provided in this section, experimental biological products which are neither composed of nor prepared with organisms or antigens used in biologicals already licensed, shall not be prepared in the production facilities of a licensed establishment. Upon application therefor, the Administrator may authorize the preparation of experimental products on the premises of a licensed establishment if he determines that such preparation will not result in contamination of the licensed products. Each request for permission to prepare an experimental biological product on licensed premises shall indicate the nature of the unlicensed product, designate facilities to be used, and specify precautions which will be taken to prevent contamination of licensed products. Such requests shall be submitted to the Administrator. Research facilities that are entirely separate and apart from facilities used for the preparation of licensed biological products will not be considered a part of the licensed premises for purposes of this section.

(Approved by the Office of Management and Budget under control number 0579–0013)

[30 FR 11848, Sept. 16, 1965, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66783, Dec. 26, 1991]

§ 103.2 Disposition of animals administered experimental biological products or live organisms.

Safeguards as herein provided shall be established by the research investigator or research sponsor to control disposition of all animals administered experimental biological products or live organisms.

(a) Surviving test animals (including challenged control animals) shall not be removed from the premises on which the tests are conducted for at least 14 days after administration of an experimental biological product or live organisms: *Provided, however,* That this holding period may be increased or decreased as permitted or requested by the Administrator following review of all relevant information or data available.

(b) All animals administered experimental biological products which are to be slaughtered at establishments subject to the Federal Meat Inspection Act, as amended and extended (21 U.S.C. 601 *et. seq.*) are subject to the applicable requirements of § 309.16 of this title (Meat Inspection Regulations).

(c) Except as otherwise provided in this paragraph, the research investigator or research sponsor shall maintain adequate records relative to the disposition of each animal administered experimental biological products. These records shall be maintained for a minimum period of two years from the date that an experimental product was administered to such animal, and shall show the name and address of the owner; number, species, class and location of the animals; and if sold, the name and address of the consignee, buyer, commission, firm or abattoir: *Provided, however,* That a research investigator or research sponsor may be exempted from these recordkeeping requirements by the Administrator on the basis of acceptable data demonstrating that use of the experimental biological product will not result in the presence of any unwholesome condition in the edible parts of animals subsequently presented for slaughter.

(Approved by the Office of Management and Budget under control number 0579–0059)

(44 U.S.C. 3506)

[30 FR 11848, Sept. 16, 1965, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66783, Dec. 26, 1991]

§ 103.3 Shipment of experimental biological products.

Except as provided in this section, no person shall ship or deliver for shipment in or from the United States, the District of Columbia, or any Territory of the United States any unlicensed biological product for experimental use in animals. For the benefit of license applicants and to permit and encourage research, a person may be authorized by the Administrator to ship unlicensed biological products for the purpose of evaluating such experimental products by treating limited numbers of animals, *Provided*, that, the Administrator determines that the conditions under which the experiment is to be conducted are adequate to prevent the spread of disease and approves the procedures set forth in the request for such authorization. Special restrictions or tests may be imposed, especially in the case of products containing live organisms, when they are deemed necessary or advisable by the Administrator. A request for authorization to ship an unlicensed biological product for experimental study and evaluation shall be accompanied by the following:

(a) One copy of a permit or letter of permission from the proper State or foreign animal health authorities of each State or foreign country involved.

(b) Two copies of a tentative list of the names of the proposed recipients and quantity of experimental product that is to be shipped to each individual. In the event of subsequent changes, additional information shall be furnished when such facts are known;

(c) Two copies of a description of the product, recommendations for use, and results of preliminary research work;

(d) Three copies of labels or label sketches which show the name or identification of the product and bear a statement, ''Notice! For Experimental Use Only—Not For Sale,'' or equivalent. The U.S. Veterinary License legend shall not appear on such labels; and

(e) Two copies of a proposed general plan covering the methods and procedures for evaluating the product and for maintaining records of the quantities of experimental product prepared, shipped and used. At the conclusion of field studies, results shall be obtained, summarized, and submitted to the Animal and Plant Health Inspection Service.

(f) Data acceptable to the Administrator demonstrating that use of the experimental biological product in meat animals is not likely to result in the presence of any unwholesome condition in the edible parts of animals subsequently presented for slaughter.

(g) A statement from the research investigator or research sponsor agreeing to furnish, upon the Administrator's request, additional information concerning each group of meat animals involved prior to movement of these animals from the premises where the test is to be conducted. Such information shall include the owner's name and address; number, species, class and location of animals involved; date shipment is anticipated; along with name and address of consignee, buyer, commission firm or abattoir.

(h) Any information the Administrator may require in order to assess the product's impact on the environment.

[26 FR 7726, Aug. 18, 1961, as amended at 30 FR 11848, Sept. 16, 1965; 52 FR 30131, Aug. 13, 1987; 56 FR 66783, Dec. 26, 1991]

PART 104—PERMITS FOR BIOLOGICAL PRODUCTS

Sec.

104.1 Permit required.
104.2 Permit authorized.
104.3 Permit application.
104.4 Products for research and evaluation.
104.5 Products for distribution and sale.
104.6 Products for transit shipment only.
104.7 Product permit.
104.8 Illegal shipments.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).)

SOURCE: 38 FR 32916, Nov. 29, 1973, unless otherwise noted.

§ 104.1 Permit required.

Unless otherwise authorized or directed by the Administrator, each permit to import a biological product into the United States shall be issued in accordance with the regulations in this part.

(a) No biological product shall be brought into the United States unless a

permit has been issued for such product. A separate U.S. Veterinary Biological Product Permit shall be required for each shipment of biological product to be imported: *Provided*, That, a permit shall also be required for each transit shipment of biological products moved through the United States.

(b) Each person importing biological products shall hold an unexpired, unsuspended, and unrevoked permit issued by Animal and Plant Health Inspection Service. Such person shall reside within the United States, or operate a business establishment within the United States, or both.

[38 FR 32916, Nov. 29, 1973, as amended at 56 FR 66783, Dec. 26, 1991; 56 FR 66783, Dec. 26, 1991]

§ 104.2 Permit authorized.

(a) Animal and Plant Health Inspection Service is authorized to issue three types of permits for importing biological products. They shall be:

(1) U.S. Veterinary Biological Product Permit for Research and Evaluation;

(2) U.S. Veterinary Biological Product Permit for Distribution and Sale; or

(3) U.S. Veterinary Biological Product Permit for Transit Shipment Only.

(b) A permit shall not be issued for a biological product from countries known to have exotic diseases, including but not limited to foot-and-mouth disease, rinderpest, fowl pest (fowl plague), swine vesicular disease, Newcastle disease, and African swine fever, if in the opinion of the Administrator, such products may endanger the livestock or poultry of this country.

(c) A permit shall not be issued until an inspector has determined the condition of the equipment and facilities of the producer, of the applicant, or of both if such a determination is considered necessary by the Administrator.

(d) A permit shall not be issued for a biological product prepared in the United States, exported, and presented for reentry except as provided in § 104.4(d).

[38 FR 32916, Nov. 29, 1973, as amended at 56 FR 66783, Dec. 26, 1991; 56 FR 66783, Dec. 26, 1991]

§ 104.3 Permit application.

(a) Each person desiring to import a biological product shall make written application to Animal and Plant Health Inspection Service for a permit. Blank forms of application shall be furnished upon request.

(b) The application shall specify the type of permit required, the port of entry at which the product shall be cleared through Customs, the estimated quantity involved, and the anticipated date on which the importation shall be made.

(Approved by the Office of Management and Budget under control number 0579–0013)

[38 FR 32916, Nov. 29, 1973, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66783, Dec. 26, 1991]

§ 104.4 Products for research and evaluation.

(a) An application for a U.S. Veterinary Biological Product Permit to import a biological product for research and evaluation shall be accompanied by a brief description of such product, methods of propagating antigens including composition of medium, species of animals or cell cultures involved, degree of inactivation or attenuation, recommendations for use, and the proposed plan of evaluation. The applicant shall also provide any information the Administrator may require in order to assess the product's impact on the environment.

(b)(1) A permit to import a biological product for research and evaluation shall not be issued unless the scientific capabilities of the investigator are determined to be adequate to safeguard domestic animals and protect public health, interest, or safety from any deleterious effects which might result from use of such product. Special restrictions or tests may be specified as part of the permit when they are deemed necessary or advisable by the Administrator.

(2) No person shall ship a product imported under this section for research and evaluation anywhere in or from the United States unless authorized by the Administrator in accordance with the provisions of § 103.3 of this subchapter.

(c) A biological product shall not be imported for Research and Evaluation which is not packaged and labeled in accordance with §112.9 of this subchapter.

(d) When a licensed product has been exported from the United States, a permit may be issued to the producer for a small quantity of such product for in vitro Research and Evaluation tests: *Provided,* That, the importation of such product will not endanger the livestock or poultry of this country.

(Approved by the Office of Management and Budget under control number 0579–0013)

[38 FR 32916, Nov. 29, 1973, as amended at 48 FR 57473, Dec. 30, 1983; 52 FR 30131, Aug. 13, 1987; 56 FR 66783, Dec. 26, 1991]

§ 104.5 Products for distribution and sale.

An application for a U.S. Veterinary Biological Product Permit to import a biological product for Distribution and Sale shall be accompanied by supporting material necessary to satisfy the requirements provided in this section.

(a) A permit shall not be issued unless the conditions under which the biological product is to be prepared or the methods to be used are such as to reasonably insure that the product is pure, safe, potent, and efficacious.

(1) Three copies of blueprints of the producing foreign establishment shall be submitted with the application unless satisfactory plans are on file with Animal and Plant Health Inspection Service from a previous application. The production facilities to be used for each product prepared at the establishment shall be designated.

(2) The manufacturer shall submit written authorization for properly accredited inspectors to inspect without previous notification, and at such times as may be demanded by the aforesaid inspectors, all parts of the establishment in which biological products shall be prepared, all processes of preparation, and all records relative to such preparation.

(3) The manufacturer shall furnish written assurance that a biological product to be imported for Distribution and Sale shall be prepared under the supervision of a person competent by education and experience to handle all matters pertaining to the preparation of such product and that each biological product shall be prepared in accordance with the regulations applicable to the product or in a manner acceptable to the Administrator so as to carry out the purposes of the Act.

(4) The methods to be used in the preparation of each biological product shall be written into an approved Outline of Production prepared in accordance with the applicable provisions of part 114 of this subchapter. Four copies of such Outlines of Production shall be submitted to Animal and Plant Health Inspection Service and be approved before the permit is issued.

(5) Data shall be furnished by the applicant which establishes that the product involved complies with the provisions of the Act and the regulations issued pursuant thereto. When deemed necessary to obtain required information, Animal and Plant Health Inspection Service may require that the product be tested under field conditions within or outside the United States as the occasion demands.

(b) The permittee shall furnish the following:

(1) Adequate facilities for storing all imported biological products. An inspection of such facilities shall be made by inspectors before a permit is issued and additional inspections shall be made at any time subsequent to the importation of the biological products if deemed necessary by the Administrator;

(2) Information regarding all claims to be made on labels and advertising matter used in connection with or related to the biological product to be imported;

(3) Mounted copies of final container labels, carton labels, and enclosures to be used with the imported product as provided in part 112 of this subchapter; and

(4) Samples of each serial from each shipment of biological products imported or offered for importation. Such samples shall be collected, examined, and tested in a manner specified by the Administrator. The biological products

being sampled shall not be further distributed by the permittee until released by Animal and Plant Health Inspection Service.

(Approved by the Office of Management and Budget under control number 0579–0013)

[38 FR 32916, Nov. 29, 1973, as amended at 48 FR 57473, Dec. 30, 1983; 49 FR 21044, May 18, 1984; 56 FR 66783, Dec. 26, 1991]

§ 104.6 Products for transit shipment only.

An application for a permit for Transit Shipment Only shall be required when a biological product is being shipped from one foreign country to another foreign country by way of the United States. The shipment shall move under a permit subject to the following restrictions:

(a) The shipment shall be confined to the carrier at all times when such shipment is to transit the United States on the same carrier on which it arrived. If the shipment is to be transferred to a carrier other than the one on which it shall arrive into the United States, a schedule of arrival and departure of each shipment shall be furnished by the permittee to Animal and Plant Health Inspection Service prior to arrival in the United States.

(b) The permittee shall be responsible to Animal and Plant Health Inspection Service for handling, storing, and forwarding of the biological product. Animal and Plant Health Inspection Service shall be notified of all shipments received and forwarded by the permittee and an accurate accounting shall be made.

(Approved by the Office of Management and Budget under control number 0579–0013)

[38 FR 32916, Nov. 29, 1973, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991; 61 FR 52873, Oct. 9, 1996]

§ 104.7 Product permit.

(a) A permit shall be numbered and dated.

(b) The purpose for which the product is imported shall be specified on the permit as for Research and Evaluation, Distribution and Sale, or Transit Shipment Only.

(c) A permit shall not be used after the date specified.

[38 FR 32916, Nov. 29, 1973, as amended at 56 FR 66783, Dec. 26, 1991; 62 FR 13294, Mar. 20, 1997]

§ 104.8 Illegal shipments.

(a) Biological products which are presented for importation without a permit having been issued shall be returned to the country of origin at the expense of the importer or in lieu thereof, destroyed by Department personnel.

(b) Biological products for Distribution and Sale presented for importation under a permit and found to be worthless, contaminated, dangerous, or harmful shall, within a period of 30 days after such finding, be returned to the country of origin at the expense of the importer or in lieu thereof, destroyed by Department personnel: *Provided,* That such product shall not be returned to the country of origin while bearing a U.S. permit number on the label.

PART 105—SUSPENSION, REVOCATION, OR TERMINATION OF BIOLOGICAL LICENSES OR PERMITS

Sec.

105.1 Suspension or revocation.
105.2 Notification of infractions.
105.3 Notices re: worthless, contaminated, dangerous, or harmful biological products.
105.4 Termination of licenses and permits for inactivity.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§ 105.1 Suspension or revocation.

(a) An establishment license, product license, or permit issued under the Virus-Serum-Toxin Act may be formally suspended or revoked after opportunity for hearing has been accorded the licensee or permittee as provided in part 123 of this subchapter if the Secretary is satisfied that the license or permit is being used to facilitate or effect the preparation, sale, barter, exchange, shipment, or importation contrary to said Act of any worthless, contaminated, dangerous, or harmful biological product. Such use may be found to exist if:

(1) The construction of the establishment in which the biological product is prepared is defective, or the establishment is not conducted as required by the regulations in parts 101 through 118 of this subchapter;

(2) The methods of preparation of the product are faulty, or the product contains impurities or lacks potency;

(3) The product is so labeled or advertised as to mislead or deceive the purchaser in any particular;

(4) The licensee, permittee, or the foreign manufacturer has failed to maintain and make available for inspection records in connection with the development and preparation of product, has failed to provide complete and accurate information when requested, or has failed to provide complete and accurate information in the Outline of Production or in reports and records;

(5) The licensee or permittee has violated or failed to comply with any provision of the Virus-Serum-Toxin Act or the regulations in this subchapter;

(6) The license or permit is otherwise used to facilitate or effect the preparation, sale, barter, exchange, shipment, or importation, contrary to the Virus-Serum-Toxin Act, of any worthless, contaminated, dangerous, or harmful biological product.

(b) In case of willfulness or where the public health, interest, or safety so required the Secretary may, without hearing, informally suspend such establishment license, product license, or permit upon the grounds set forth in paragraph (a) of this section pending determination of formal proceedings under part 123 of this subchapter for suspension or revocation of the license or permit.

[38 FR 23512, Aug. 31, 1973, as amended at 41 FR 44359, Oct. 8, 1976; 61 FR 52874, Oct. 9, 1996; 64 FR 43044, Aug. 9, 1999]

§ 105.2 Notification of infractions.

If an infraction of a requirement of a product license is brought to the attention of the licensee by written notification thereof by Animal and Plant Health Inspection Service, a subsequent violation of similar nature occurring with the same licensed biological product within 6 months of the said written notification shall be primafacie evidence of willful violation and the license for the product shall be subject to suspension or revocation under the provisions of § 105.1(b).

[42 FR 31430, June 21, 1977, as amended at 56 FR 66783, Dec. 26, 1991]

§ 105.3 Notices re: worthless, contaminated, dangerous, or harmful biological products.

(a) If at any time it appears that the preparation, sale, barter, exchange, shipment, or importation, as provided in the Virus-Serum-Toxin Act, of any biological product by any person holding a license or permit may be dangerous in the treatment of domestic animals, the Secretary may without hearing notify the licensee or permittee, and pending determination of formal proceedings instituted under part 123 of this subchapter for suspension or revocation of the license or permit insofar as it authorizes the manufacture or importation of the particular product, no person so notified shall thereafter so prepare, sell, barter, exchange, ship, deliver for shipment, or import such product.

(b) If a serial of biological product is found to be unsatisfactory according to applicable Standard Requirements, the Administrator may notify the licensee to stop distribution and sale of the serial.

[38 FR 23512, Aug. 31, 1973, as amended at 56 FR 66783, Dec. 26, 1991]

§ 105.4 Termination of licenses and permits for inactivity.

(a) If a biological product has not been prepared by a licensee, or imported by a permittee for a period of 5 years or more, the Administrator may require the licensee to show intent to resume production, or the permittee to show intent to resume importation, within 6 months of notification. If the licensee does not resume preparation, or the permittee does not resume importation, within 6 months of notification, or within a mutually agreeable period, the product license, or permit, may be terminated by the Administrator.

(b) When a license or permit is terminated, the licensee or permittee shall

continue to be subject to the applicable records provisions of §116.8.

[61 FR 52874, Oct. 9, 1996]

PART 106—EXEMPTION FOR BIOLOGICAL PRODUCTS USED IN DEPARTMENT PROGRAMS OR UNDER DEPARTMENT CONTROL OR SUPERVISION

§106.1 Biological products; exemption.

The Administrator may exempt any biological product from one or more of the requirements of this subchapter if he determines that such product will be used by the Department or under the supervision or control of the Department in the prevention, control or eradication of animal diseases in connection with (a) an official USDA program; or (b) an emergency animal disease situation, or (c) a USDA experimental use of the product.

(21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d))

[45 FR 65184, Oct. 2, 1980, as amended at 56 FR 66783, Dec. 26, 1991]

PART 107—EXEMPTIONS FROM PREPARATION PURSUANT TO AN UNSUSPENDED AND UNREVOKED LICENSE

Sec.

107.1 Veterinary practitioners and animal owners.
107.2 Products under State license.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§107.1 Veterinary practitioners and animal owners.

Products prepared as provided in paragraphs (a) and (b) of this section and establishments in which such products are prepared, shall be exempt from preparation pursuant to unsuspended and unrevoked establishment and product licenses. Persons exempt from licensure under this part shipping products which contain live organisms shall provide any information the Administrator may require prior to shipment, or at any other time deemed necessary, in order to assess the products' safety and effect on the environment. The shipment or delivery for shipment anywhere in or from the United States of any exempted product which is worthless, contaminated, dangerous, or harmful is prohibited, and any person shipping such product, or delivering such product for shipment, shall be subject to sanctions under the Act.

(a)(1) Products prepared by a veterinary practitioner (veterinarian) solely for administration to animals in the course of a State licensed professional practice of veterinary medicine by such veterinarian under a veterinarian-client-patient relationship and establishments in which such products are prepared shall be exempt from licensing under the Act and regulations. Such a relationship is considered to exist when:

(i) The veterinarian has assumed the responsibility for making medical judgments regarding the health of the animal(s) and the need for medical treatment, and the client (owner or other caretaker) has agreed to follow the instructions of the veterinarian; and when

(ii) There is sufficient knowledge of the animal(s) by the veterinarian to initiate at least a general or preliminary diagnosis of the medical condition of the animal(s). This means that the veterinarian has recently seen and is personally acquainted with the keeping and care of the animal(s), and/or by medically appropriate and timely visits to the premises where the animal(s) are kept; and when

(iii) The practicing veterinarian is readily available for followup in case of adverse reactions or failure of the regimen.

(2) Veterinarians preparing products subject to the exemption for products under this section shall maintain and make available for inspection by Animal and Plant Health Inspection Service representatives or other Federal employees designated by the Secretary such records as are necessary to establish that a valid veterinarian-client-patient relationship exists and that there is a valid basis for the exemption under this section.

(b) Products prepared by a person solely for administration to animals owned by that person shall be exempt from the requirement that preparation

be pursuant to an unsuspended and unrevoked license.

[52 FR 30131, Aug. 13, 1987, as amended at 56 FR 66783, Dec. 26, 1991]

§ 107.2 Products under State license.

(a) The Administrator shall exempt from the requirement of preparation pursuant to an unsuspended and unrevoked USDA establishment and product license, any biological product prepared solely for distribution within the State of production pursuant to a license granted by such State under a program determined by the Administrator to be consistent with the intent of the Act to prohibit the preparation, sale, barter, exchange, or shipment of worthless, contaminated, dangerous, or harmful biological products.

(b) A request for exemption under this section must be made by the appropriate State authority and shall include information demonstrating that:

(1) The State has the authority to license viruses, serums, toxins, and analogous products and establishments that produce such products; and

(2) The State has the authority to review the purity, safety, potency, and efficacy of such products prior to release to the market; and

(3) The State has the authority to review product test results to assure compliance with applicable standards of purity, safety, and potency prior to release to the market; and

(4) The State has the authority to deal effectively with violations of State law regulating viruses, serums, toxins, and analogous products; and

(5) The State effectively exercises the authority specified in paragraphs (b)(1) through (4) of this section consistent with the intent of the Act prohibiting the preparation, sale, barter, exchange, or shipment of worthless, contaminated, dangerous, or harmful viruses, serums, toxins, or analogous products.

(c) Each product to be exempted and each establishment preparing such product shall be identified by the State and the State shall give written notification to the Administrator of each such product and establishment. The State shall also give written notice to the Administrator of each new license issued and of each license terminated.

(d) In order to determine whether a State exercises its authority with respect to biological products and establishments and whether its laws and regulations are being achieved, the Administrator, in cooperation with proper State authorities, may conduct an on-site evaluation of the State's program which may include inspection of establishments and/or products to be included under the exemptions in this section.

[52 FR 30131, Aug. 13, 1987, as amended at 56 FR 66783, Dec. 26, 1991]

PART 108—FACILITY REQUIREMENTS FOR LICENSED ESTABLISHMENTS

Sec.

108.1 Applicability.
108.2 Plot plans, blueprints, and legends required.
108.3 Preparation of plot plans.
108.4 Preparation of blueprints.
108.5 Preparation of legends.
108.6 Revision of plot plans, blueprints, and legends.
108.7 Filing of plot plans, blueprints, and legends.
108.8 Construction of buildings.
108.9 Dressing rooms and other facilities.
108.10 Outer premises and stables.
108.11 Water quality requirements.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 39 FR 16854, May 10, 1974, unless otherwise noted.

§ 108.1 Applicability.

Unless otherwise authorized by the Administrator, all buildings, appurtenances, and equipment used in the preparation of biological products shall be in compliance with the regulations in this part. Each land area on which such buildings and appurtenances are located shall be identified by an address which shall appear on the establishment license.

[39 FR 16854, May 10, 1974, as amended at 56 FR 66783, Dec. 26, 1991]

§ 108.2 Plot plans, blueprints, and legends required.

Each applicant for an establishment license shall prepare a plot plan showing all buildings for each particular land area, blueprints for each building used in the preparation of biological

products and legends containing a brief description of all activities in each room or area.

§ 108.3 Preparation of plot plans.

Plot plans shall show all of the buildings on a particular land area, whether or not they are all used for the preparation and initial shipping of biological products: *Provided,* That, when a great number of buildings are on the same premises, only those surrounding the buildings used for preparation and initial shipping of biological products shall be shown. The presence of the remainder of the buildings may be accounted for by a single statement denoting the total number of such buildings not used for the preparation or shipping of biological products.

(a) Reduce the entire premises to any standard scale on one sheet of paper which meets any of the American standard trimmed sizes. Indicate the scale used.

(b) Clearly mark the boundaries of the licensed premises and indicate what marking denotes the boundaries. Such boundaries shall coincide with some readily apparent perimeter line. Identify all fences, walls, or streets.

(c) Show buildings as reduced dimensional drawings in the proper scale distance relationship with each other.

(d) Number, letter, or otherwise identify all buildings so that they may be correlated with the respective blueprints and legends.

(e) Describe on the plot plan the use of immediate adjacent properties such as, residential area, pasture, box factory, or the like.

(f) Show compass points.

(g) Show date of preparation.

(h) Apply signature of responsible official of the firm.

§ 108.4 Preparation of blueprints.

(a) Blueprints, drawn to any suitable scale, on regular blueprint paper or a good grade of white paper of any one of the American standard trimmed sizes shall be acceptable: *Provided,* That the same scale shall be used for future revisions unless the entire blueprint is revised. Indicate the scale used.

(b) Use a single sheet of paper for each floor of all buildings in which biological products are prepared. Illustrate in detail the areas in each building utilized for such preparation.

(c) If only a portion of a floor is used in the preparation of a biological product, the blueprint shall illustrate the entire floor in essentially the same detail throughout. All functions or activities performed in the remainder of the floor shall be indicated.

(d) Identify the floors if the drawing is not for all floors in a multiple-story building and identify activities on each floor.

(e) Identify all rooms by letters or numbers.

(f) Show the location of important stationary equipment by a suitable code which will be further identified on legends.

(g) Explain on the blueprint or on the legend, by a statement or listing, which rooms are equipped with water outlets, drains, and lighting. Show the location of doors and windows.

(h) Show compass points.

(i) Show building number.

(j) Show date of preparation.

(k) Apply signature of responsible official of firm.

§ 108.5 Preparation of legends.

A brief description of the activities performed in each room or area shall be prepared as provided in this section and shall be referred to as a legend. Legends shall be provided for each plot plan and each blueprint or drawing. All pages of the legends shall be numbered, identified with corresponding plot plan or blueprint, and submitted in booklet form either stapled together or clipped into a suitable folder.

(a) Plot plan legends shall show the following:

(1) Number of each building and the functions performed in each: *Provided,* That if it is a multiple-story building in which biological products are prepared or handled, briefly describe functions performed on each floor.

(2) A practical and nontechnical description of construction materials used throughout those buildings used entirely or partially for production and handling of biological products.

(b) Blueprint legends shall show the following:

(1) A listing of all rooms by identifying letters or numbers and the fractions prepared in each. Exceptions may be listed for general purpose areas or rooms. Functions performed in each area and room shall be described, whether the licensed or unlicensed products. In rooms where products are exposed to the surroundings, a description of decontamination procedures and other precautions against cross contamination shall be included.

(2) A listing of the coded stationary equipment.

(3) A general listing of other essential biological equipment such as mills, centrifuges, mixing tanks, bottling and sealing equipment, and the like, which are not regarded as stationary but are maintained in certain rooms.

[39 FR 16854, May 10, 1974, as amended at 40 FR 51413, Nov. 5, 1975; 50 FR 50764, Dec. 12, 1985]

§ 108.6 Revision of plot plans, blueprints, and legends.

Preliminary drawings may be submitted to Animal and Plant Health Inspection Service for comment prior to construction of new facilities or when remodeling is anticipated, old facilities are to be torn down, or other changes affecting the workflow are to be made. The licensee shall:

(a) Prepare revised plot plans, blueprints, or legends and submit to Animal and Plant Health Inspection Service for review and filing when changes have been completed. Also prepare a statement to accompany each revision to identify, by date of the superseded item, what is being superseded.

(b) Prepare a drawing of the revised rooms, unit, or section to the same scale as the blueprint on file which shall be stamped and applied to the existing blueprint. If changes are numerous, prepare a new blueprint.

(c) Drawings of new buildings may be added to existing plot plans. Indicate the distance from surrounding buildings and boundary lines.

(d) Any change prescribed in this section shall necessitate a change in one or more pages of the respective legends. The revised pages shall carry the same numbers as superseded pages.

[39 FR 16854, May 10, 1974, as amended at 56 FR 66783, Dec. 26, 1991]

§ 108.7 Filing of plot plans, blueprints, and legends.

Three copies of all plot plans, blueprints, and legends, including revisions, shall be submitted to Animal and Plant Health Inspection Service for review and filing. When the reviewer takes exception to a submitted item, such item shall be returned with appropriate comments for correction and resubmission. Acceptable submissions shall be stamped as filed and the date noted. One stamped copy shall be returned and two copies retained for Animal and Plant Health Inspection Service files.

[39 FR 16854, May 10, 1974, as amended at 56 FR 66783, Dec. 26, 1991]

§ 108.8 Construction of buildings.

(a) The floors, walls, ceilings, partitions, posts, doors, and all other parts of all structures, rooms, or facilities used for the preparation of biological products or ingredients of biological products at licensed establishments shall be of such material, construction, and finish as may be readily and thoroughly cleaned.

(b) All rooms used in connection with the preparation of biological products shall be so constructed and arranged as to prevent cross-contamination of such biological products. Halls or walkways shall be provided for the movement of personnel or materials to each biological products preparation area without going through another such area.

(c) Rooms or compartments separate from the remainder of the establishment shall be provided at licensed establishments for preparing, handling, and storing virulent or dangerous microorganisms and products.

(d) All rooms and compartments at licensed establishments shall have an adequate air handling system to supply proper ventilation sufficient to insure sanitary and hygienic conditions for the protection of the products and personnel.

(e) The supply of hot and cold water at licensed establishments shall be ample and clean. Adequate facilities shall be provided for the distribution of water in each establishment and for the washing of all containers, machinery, instruments, other equipment, and

animals used in the preparation of a biological product.

(f) There shall be an efficient drainage and plumbing system for each licensed establishment and premises thereof, and all drains and gutters shall be properly installed with approved traps and vents.

§ 108.9 Dressing rooms and other facilities.

Each licensed establishment shall have dressing rooms, toilet facilities, and lavatory accommodations, including hot and cold running water, soap, towels, and the like. They shall be in sufficient number, ample in size, conveniently located, properly ventilated, and meeting all requirements as to sanitary construction and equipment.

(a) These rooms and facilities shall be separate from rooms or compartments in which biological products are prepared, handled, or stored.

(b) These rooms and facilities shall be so located in the establishment as to be readily accessible to all persons without having to enter or pass through biological products preparation areas.

§ 108.10 Outer premises and stables.

(a) The outer premises of licensed establishments, embracing docks, driveways, approaches, yards, pens, chutes, and alleys shall be drained properly and kept in a clean and orderly condition. No nuisance shall be allowed in any licensed establishment or on its premises.

(b) Stables or other premises for animals used in the production or testing of biological products at licensed establishments shall be properly ventilated and lighted, appropriately drained and guttered, and kept in sanitary condition.

(c) Every practical precaution shall be taken to keep licensed establishments free of flies, rats, mice, and other vermin. The accumulation, on the premises of an establishment, of any material in which flies or other vermin may breed is forbidden. Suitable arrangements, in keeping with the local health practices, shall be made for the disposal of all refuse.

§ 108.11 Water quality requirements.

A certification from the appropriate water pollution control agency, that the establishment is in compliance with applicable water quality control standards, pursuant to section 401 of the Federal Water Pollution Control Act, as amended (86 Stat. 877; 33 U.S.C. 1341), shall be filed with Animal and Plant Health Inspection Service for each licensed establishment.

[39 FR 16854, May 10, 1974, as amended at 56 FR 66783, Dec. 26, 1991]

PART 109—STERILIZATION AND PASTEURIZATION AT LICENSED ESTABLISHMENTS

Sec.

109.1 Equipment and the like.
109.2 Sterilizers.
109.3 Pasteurizers.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§ 109.1 Equipment and the like.

(a) All containers, instruments, and other apparatus and equipment, before being used in preparing, handling, or storing biological products, at a licensed establishment, except as otherwise prescribed herein, shall be thoroughly sterilized by live steam at a temperature of at least 120° C. for not less than one-half hour, or by dry heat at a temperature of at least 160° C. for not less than one hour. If for any reason such methods of sterilization are impracticable, then a process known to be equally efficacious in destroying microorganisms and their spores may be substituted after approval by the Administrator.

(b) Instruments which are found to be damaged by exposure to the degree of heat prescribed in this section, after having been thoroughly cleaned, may be sterilized by boiling for not less than 15 minutes.

[23 FR 10051, Dec. 23, 1958, as amended at 34 FR 18119, Nov. 11, 1969; 56 FR 66783, Dec. 26, 1991]

§ 109.2 Sterilizers.

Steam and dry-heat sterilizers used in connection with the processing of biological products at licensed establishments shall be equipped with automatic temperature recording gauges: *Provided,* That other record keeping systems may be used when approved by the Administrator. When gauges are used, they shall be periodically standardized to assure accuracy. Charts and other temperature records made during production shall be available at all times charts and records shall be kept in accordance with part 116 of this chapter.

[35 FR 16039, Oct. 13, 1970, as amended at 56 FR 66783, Dec. 26, 1991]

§ 109.3 Pasteurizers.

All pasteurizing equipment shall meet the requirements in paragraphs (a), (b), and (c) of this section and be acceptable to Animal and Plant Health Inspection Service.

(a) Metal serum containers shall be used in licensed establishments. During the heating process, each container shall be surrounded by a separate water jacket or equivalent so that the entire container, including its lid, is heated to the required temperature. Each serum container shall be equipped with a motor-driven agitator and a separate automatic recording thermometer.

(b) Each water bath shall have an automatic temperature control to limit the temperature of the water to a maximum of 62° C., an automatic recording thermometer, an indicating thermometer set in a fixed position, and circulating mechanism adequate to insure equal temperatures throughout the bath. The heating unit for the bath shall be separated from the serum container and the water jacket.

(c) Accurate thermometers at licensed establishments shall be used at frequent intervals to check temperatures of the serum as registered by recording thermometers.

[35 FR 16039, Oct. 13, 1970, as amended at 56 FR 66783, Dec. 26, 1991]

PART 112—PACKAGING AND LABELING

Sec.

112.1 General.
112.2 Final container label, carton label, and enclosure.
112.3 Diluent labels.
112.4 Subsidiaries, divisions, distributors, and permittees.
112.5 Review and approval of labeling.
112.6 Packaging biological products.
112.7 Special additional requirements.
112.8 For export only.
112.9 Biological products imported for research and evaluation.
112.10 Special packaging and labeling.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 38 FR 12094, May 9, 1973, unless otherwise noted.

§ 112.1 General.

(a) Unless otherwise authorized or directed by the Administrator, each biological product prepared at a licensed establishment, or imported, shall be packaged and labeled as prescribed in this part before it is removed from the licensed establishment or presented for importation: *Provided,* That biological products to be imported for research and evaluation shall be subject to packaging and labeling requirements in § 112.9. *Provided further,* That, unless otherwise exempted, all preparation, including packaging and labeling, of biological products shall only be performed in a licensed establishment under an approved Outline of Production.

(b) No person shall apply or affix to or include with, or cause to be applied or affixed to or included with, any carton or final container of a biological product, any label, stamp, mark or statement that is false or misleading in any particular, is not in compliance with the regulations, or is not approved by APHIS.

(c) No person shall alter, mark or remove any approved labeling affixed to or included with any biological product prior to selling or otherwise distributing such product. In addition, no person shall mark any carton, other container, or final container of a biological product so as to falsify the labeling, make it misleading, or cause it to be illegible.

(d) Labels that are stamped, printed or glued directly on cartons, other containers, or final containers shall be legible throughout the dating period. Biological products bearing labels, which have been altered, mutilated, destroyed, obliterated or removed, shall be withheld from the market.

[38 FR 12094, May 9, 1973, as amended at 59 FR 43445, Aug. 24, 1994]

§ 112.2 Final container label, carton label, and enclosure.

(a) Unless otherwise provided, final container labels, carton labels, and enclosures (inserts, circulars, or leaflets) shall include the information specified in this section.

(1) The principal part of the true name of the biological product which name shall be identical with that shown in the product license under which such product is prepared, or the permit under which it is imported, shall be prominently lettered and placed giving equal emphasis to each word composing it. Descriptive terms used in the true name on the product license or permit shall also appear. Abbreviations of the descriptive terms may be used on the final container label if complete descriptive terms appear on a carton label and enclosures;

(2) If the biological product is prepared in the United States, the name and address of the producer (licensee or subsidiary) or if the biological product is prepared in a foreign country, the name and address of the permittee and of the foreign producer.

(3) The license or permit number assigned by the Department which shall be shown only in one of the following forms respectively: ''U.S. Veterinary License No. ——,'' or ''U.S. Vet. License No. ——,'' or ''U.S. Vet Lic. No. ——,'' or ''U.S. Veterinary Permit No. ——,'' or ''U.S. Permit No. ——.''

(4) Storage temperature recommendation for the biological product stated as not over 45° F. or stated as not over 7° C. or stated as not over 45° F. or 7° C.

(5) Full instructions for the proper use of the product, including vaccination schedules, warnings, cautions, and the like: *Provided,* That in the case of very small final container labels or carton, a statement as to where such information is to be found, such as ''See enclosure for complete directions,'' ''Full directions on carton,'' or comparable statement;

(6) In the case of a multiple-dose final container, a warning to use entire contents when first opened: *Provided,* That a diagnostic or a desensitizing antigen packaged in a multiple-dose final container is exempt;

(7) If the biological product contains viable or dangerous organisms or viruses, a warning to ''Burn this container and all unused contents,'' except that in the case of a small one-dose container, the statement ''Burn this container'' or ''Burn this vial'' may be used.

(8) In the case of a biological product recommended for use in domestic animals, the edible portion of which may be used for food purposes, a withholding statement of not less than 21 days to read: ''Do not vaccinate within (insert number) days before slaughter'' or ''Do not vaccinate food-producing animals within (insert number) days before slaughter'': *Provided,* That longer periods shall be stated when deemed necessary by the Administrator. Very small final container labels are exempted from this requirement.

(9) The following information shall appear on the final container label and carton label, if any, but need not appear on the enclosure:

(i) A permitted expiration date;

(ii) The number of doses where applicable;

(iii) The recoverable quantity of the content of each final container stated in cubic centimeters (cc.) or milliliters (ml.) or units.

(iv) A serial number by which the product can be identified with the manufacturer's records of preparation: *Provided,* That when a liquid antigenic fraction is to be used instead of a water diluent for one or more desiccated antigenic fractions in a combination package, a hyphenated serial number composed of a serial number for the desiccated fraction and the serial number for the liquid fraction shall be used on the carton;

(10) In the case of a product which contains an antibiotic added during the production process, the statement

''Contains —— as a preservative,'' or an equivalent statement indicating the antibiotic added shall appear on cartons and enclosures if used: *Provided,* That if cartons are not used, such information shall appear on the final container label;

(11) The number of final containers of biological product and the number of doses in each final container shall be stated on each carton label for all cartons containing more than one final container of biological product. The number of final containers of diluent, if any, and the quantity in each shall also be stated on each carton label.

(b) Labels may also include any other statement which is not false or misleading and may include factual statements regarding variable response of different animals when vaccinated as directed but may not include disclaimers of merchantability, fitness for the purpose offered, or responsibility for the product.

(c) Labels of biological products prepared at licensed establishments or imported shall not include any statement, design, or device, which overshadows the true name of the product as licensed or which is false or misleading in any particular or which may otherwise deceive the purchaser.

(d) Carton labels and enclosures shall be subject to paragraph (d)(1), (d)(2), and (d)(3) of this section.

(1) The statement, ''Restricted to use by or under the direction of a veterinarian'' or ''Restricted to use by a veterinarian,'' shall be used on all carton labels and enclosures when such restriction is prescribed on the product license.

(2) If the licensee states on the carton labels and enclosures of a product that its sales are restricted to veterinarians, then the entire production of that particular product in the licensed establishment shall be so restricted by the licensee.

(3) The statement ''For veterinary use only'' or an equivalent statement may appear on the carton labels and enclosures for a product if such statement is being used to indicate that the product is recommended specifically for animals, and not for humans.

(e) When label requirements of a foreign country conflict with the requirements as prescribed in this part, special labels may be approved for use on biological products to be exported to such country. When laws, regulations, or other requirements of foreign countries require exporters of biological products prepared in a licensed establishment to furnish official certification that such products have been prepared in accordance with the Virus-Serum-Toxin Act and regulations issued pursuant thereto, such certification may be made by Animal and Plant Health Inspection Service upon request of the licensee.

(f) If a carton label or an enclosure is required to complete the labeling for a multiple-dose final container of liquid biological product, only one final container shall be packaged in each carton: *Provided,* That if the multiple-dose final container is fully labeled without a carton label or enclosure, two or more final containers may be packaged in a single carton which shall be considered a shipping box. Labels or stickers for shipping boxes shall not contain false or misleading information but need not be submitted for approval.

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[38 FR 12094, May 9, 1973, as amended at 39 FR 16856, May 10, 1974; 41 FR 44359, Oct. 8, 1976; 42 FR 11825, Mar. 1, 1977; 42 FR 29854, June 10, 1977; 42 FR 41850, Aug. 19, 1977; 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991]

§ 112.3 Diluent labels.

Each final container of diluent, other than a liquid biological product, packaged with desiccated biological products shall bear a label that includes the following:

(a) The name—Sterile Diluent.

(b) True name of the biological product with which the diluent is packaged, except that when the firm packages all desiccated biological products with the same diluent, or two or more types of diluent are used, and the licensees' methods of identification and storage insure that all products are packaged with the correct type of diluent, labels affixed to the containers of diluent are exempt from this provision.

(c) The recoverable quantity of contents in cubic centimeters (cc) or milliliters (ml).

(d) A serial number by which the diluent can be identified with the manufacturer's records of preparation;

(e) Name and address of the licensee or the permittee;

(f) In the case of a diluent with which a desiccated biological product is to come in contact while the diluent is in its original container; and,

(1) Is in a multiple-dose container, a positive warning that all of the biological product shall be used at the time the container is first opened; and/or

(2) The biological product is composed of viable or dangerous organisms or viruses, the notice, ''Burn this container and all unused contents,'' except that, in the case of a small one-dose container, the statement ''Burn this container'' or ''Burn this vial'' may be used.

(g) The establishment license number or the permit number, as the case may be, in one of the forms provided in §112.2(a)(3).

[38 FR 12094, May 9, 1973; 38 FR 13476, May 22, 1973, and amended at 39 FR 16856, May 10, 1974]

§112.4 Subsidiaries, divisions, distributors, and permittees.

Labels used by subsidiaries, divisions, distributors, and permittees shall be affixed by the licensee in a licensed establishment where the product is produced. Such labels shall comply with requirements for their review, approval, and filing as provided in the regulations.

(a) *Subsidiaries.* Labels to be used on a licensed biological product prepared by a subsidiary operating in a licensed establishment shall be submitted in accordance with §112.5. Only labels approved for use on such product shall be used by the subsidiary.

(b) *Divisions.* Labels to be used on a licensed biological product prepared in a licensed establishment for distribution by a division or marketing unit of the licensee shall be submitted in accordance with §112.5. The name, address, and license number of the licensee shall be prominently placed on such labels. The relationship of the division or marketing unit to the licensee shall appear prominently on the label by use of the term ''division of'' or equivalent.

(c) *Distributors.* The name and address of the distributor or any statement, design, or device shall not be placed on the labels or containers of a licensed biological product in a manner which could be false or misleading or which could indicate that the distributor is the manufacturer of such product or operating under the license number shown on the label. The manufacturer shall be identified by name, address, and license number with the term ''manufactured by,'' ''produced by,'' or an equivalent term prominently placed in connection therewith. The name and address of the distributor may be placed on labels or containers if the term ''distributor,'' or ''distributed by,'' or an equivalent term is prominently placed in connection therewith.

(d) *Permittees.* The name and address of the permittee and any statement, design, or device shall not be placed on the labels or containers of a biological product imported for sale and distribution in accordance with §104.5 in a manner which could be false or misleading or which could falsely indicate that the permittee is the manufacturer of such product. The manufacturer shall be identified by name and address with the term ''manufactured by,'' ''produced by,'' or an equivalent term prominently placed in connection therewith. Reference to the permittee shall be made by name, address, and permit number with the term ''imported by,'' ''produced for,'' or an equivalent term prominently placed in connection therewith.

[50 FR 46417, Nov. 8, 1985, as amended at 59 FR 43445, Aug. 24, 1994]

§112.5 Review and approval of labeling.

Labels used with biological products prepared at licensed establishments or imported for general distribution and sale must be submitted to the Animal and Plant Health Inspection Service for review for compliance with the regulations and approval in writing prior to use, except as provided in paragraph (c) of this section and under the master label system provided in paragraph (d) of this section.

(a) Transmittal forms, furnished by Animal and Plant Health Inspection Service upon request, shall be used

with each submission of sketches (including proofs) and labels. Separate forms shall be used for each biological product but only one copy of the form shall be used for all sketches and labels submitted at the same time for the same biological product.

(b) Sketches may be submitted for comment to Animal and Plant Health Inspection Service by the licensee or permittee before preparing the finished label. Such sketches shall be returned to the licensee or permittee with comments, if any. Failure of the reviewer to take exception to a sketch shall not constitute approval of a finished label subsequently prepared.

(c)(1) Labels must be submitted to the Animal and Plant Health Inspection Service for review and written approval. Only labels which are approved as provided in § 112.5(d) may be used. When changes are made in approved labels, the new labels shall be subject to review and approval before use: *Provided,* That certain minor changes may be made in labels for products with approved labels or master labels, and the revised labels may be used prior to review by APHIS, with the provision that a new label or master label bearing these changes is submitted to APHIS for review and written approval within 60 days of label use, and that such minor changes do not render the product mislabeled or the label false and misleading in any particular.

(2) Minor label changes that may be made under the provision for products with approved labels or master labels are:

(i) Changes in the physical dimensions of the label provided that such change does not affect the legibility of the label;

(ii) Change in the color of label print, provided that such change does not affect the legibility of the label;

(iii) The addition or deletion of a Trade Mark (TM) or Registered (R) symbol;

(iv) The correction of typographical errors;

(v) Adding or changing label control numbers of bar codes; and

(vi) Revising or updating logos.

(d) Labels and sketches submitted shall be prepared in the number and manner prescribed in this paragraph.

(1) Copies required:

(i) For label sketches, submit two copies of each sketch of a final container label, carton label, and enclosure. Sketches must be legible, and must include all information specified in § 112.2. One copy of each sketch will be returned with applicable comments, and one copy will be held on file by APHIS for no more than one year after processing, until replaced by a finished label: *Provided,* That sketches submitted in support of an application for a license or permit shall be held as long as the application is considered active.

(ii) For master label sketches, submit for each product two copies of each sketch of an enclosure, label for the smallest size final container, and carton label; *Provided,* That labels for larger size containers and/or cartons that are identical, except for physical dimensions, need not be submitted. One copy of each master label sketch will be returned with applicable comments, and one copy will be held on file by APHIS for one year after processing, until replaced by a finished master label that is submitted according to § 112.5(d)(1)(iii): *Provided,* That master label sketches submitted in support of an application for license or permit shall be held as long as the application is considered active.

(iii) For finished labels, submit three copies of each finished final container label, carton label, and enclosure: *Provided,* That when an enclosure is to be used with more than one product, one extra copy shall be submitted for each additional product. Two copies of each finished label will be retained by APHIS. One copy will be stamped and returned to the licensee. Labels to which exceptions are taken shall be marked as sketches and handled under § 112.5(d)(1)(i).

(iv) For finished master labels, submit for each product three copies each of the enclosure and the labels for the smallest size final container and carton. Labels for larger sizes of containers or cartons of the same product that are identical, except for physical dimensions, need not be submitted. Such labels become eligible for use, concurrent with the approval of the appropriate finished master label: *Provided,* That the marketing of larger

sizes of final containers is approved in the filed Outline of Production, and the appropriate larger sizes of containers or cartons are identified on the label mounting sheet. When a master label enclosure is to be used with more than one product, one extra copy for each additional product shall be submitted. Two copies of each finished master label will be retained by APHIS. One copy will be stamped and returned to the licensee. Master labels to which exceptions are taken will be marked as sketches and handled under §112.5(d)(1)(ii).

(2) Mounting:

(i) Each label or sketch shall be securely fastened to a separate sheet of heavy bond paper (8½″ × 11″) in such a manner that all information is available for review.

(ii) Two-or three-part cartons, including ''sleeves,'' shall be considered as one label. All parts shall be submitted together.

(iii)(A) When two final containers are packaged together in a combination package, the labels for each shall be mounted on the same sheet of paper and shall be treated as one label. For diagnostic test kits, the labels for use on the individual reagent containers to be included in the kit shall be mounted together on a single sheet of paper, if possible; if necessary, a second sheet of paper may be used. The carton label and enclosure shall be mounted on separate individual sheets.

(B) If either final container label is also used alone or in another combination package, sets of separate labels for each biological product with which it is used shall be submitted for review.

(iv) When the same final container label is applied by different methods such as paper or screen printing, one of each shall be mounted on the same sheet of paper as one submission.

(3) To appear on the top of each page:

(i)(A) Name and product code number of the biological product as it appears on the product license or permit.

(B) Extra copies of enclosures to be used with another product shall bear the name and code number of the product affected.

(ii)(A) Designation of the specimen as a label or master label: sketch, final container label, carton label, or enclosure.

(B) If two final container labels or multiple parts are on one sheet, each shall be named, and the label or part being revised shall be designated.

(iii) Size of package (dose, ml., cc., or units) for which the labels or enclosures are to be used.

(4) To appear on the bottom of each page: The reason for and information relevant to the submission shall be stated in the lower left hand corner as:

(i) Master label dose sizes approved for code _____.

(ii) Replacement for label, master label, and/or sketch No. _____.

(iii) Reference to label or master label No. _____.

(iv) Addition to label No. _____.

(v) License Application Pending _____.

(vi) Foreign Language copy of Label No. _____.

(e) Special requirements for foreign language labels:

(1) If true, a statement that the label is a direct translation from a corresponding approved domestic label.

(2) If the foreign language label is not a direct translation of an approved domestic label, an English version shall be submitted with an explanation for the difference in texts.

(3) Foreign language portion of a bilingual label shall be a true translation of the English portion. Reference to additional information on the enclosure shall not be made unless that enclosure is also bilingual.

(f) When a request is received from Animal and Plant Health Inspection Service, the licensee or permittee shall submit a list of all approved labels currently being used. Each label listed shall be identified as to:

(1) Name and product code number as it appears on the product license or permit for the product; and

(2) Where applicable, the size of the package (doses, ml., cc., or units) on which the label shall be used; and

(3) Label number and date assigned; and

(4) Name of licensee or subsidiary appearing on the label as the producer.

(g) At the time of an inspection, or when requested by APHIS, licensees or permittees shall make all labels and

master labels, including labels approved for use but exempted from filing under the master label system, available for review by authorized inspectors. Such labels shall be identical to the approved label or master label except for physical dimensions, reference to recoverable volume or doses and/or certain minor differences permitted in accordance with § 112.5(c).

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[38 FR 12094, May 9, 1973, as amended at 48 FR 57473, Dec. 30, 1983; 49 FR 21044, May 18, 1984; 56 FR 66783, Dec. 26, 1991; 59 FR 43445, Aug. 24, 1994; 61 FR 29464, June 11, 1996; 61 FR 33175, June 26, 1996; 64 FR 43044, Aug. 9, 1999]

§ 112.6 Packaging biological products.

(a) Each multiple-dose final container of a biological product which requires a diluent for administration shall be packaged in an individual carton with a container of the proper volume of diluent for that dose as specified in the filed Outline of Production. Each multiple-dose final container of a product which does not require a diluent for administration need not be packaged in an individual carton unless the final container labeling does not contain all information required by the regulations. Such information must be included in or on a carton. Exceptions are provided in paragraphs (c) and (d) of this section and § 112.8.

(b) Single-dose final containers of a product need not be packaged one per carton. For single-dose products which require a diluent for administration, the number of containers of the proper amount of diluent specified in the filed Outline of Production for the number of doses contained in the carton shall be included in each carton.

(c) Poultry products for mass administration (including but not limited to administration through drinking water and spray) and products used in automatic vaccinating systems (including but not limited to pneumatic beak injectors and automated needle injectors) may be packaged in multiple-dose final containers as specified in the filed Outline of Production. Poultry products for manual administration to individual birds shall not exceed 1,000 doses in each final container. Diluent need not be packaged with the final container(s) of the product, but the licensee shall provide the required number of containers of diluent as specified in the filed Outline of Production. The following requirements apply to cartons containing more than one final container of poultry product:

(1) They shall be sealed prior to leaving the licensed establishment.

(2) The contents may not be repackaged.

(3) The contents of such cartons may not be sold in fractional units.

(4) The following statement must appear in a prominent place on the carton label: ''Federal regulations prohibit the repackaging or sale of the contents of this carton in fractional units. Do not accept if seal is broken.''

(d) Diluent for the following products need not be packaged with the final container(s) of the product, but the licensee shall provide the consumer with the required number of containers of the proper amount of diluent as specified in the filed Outline of Production:

(1) Marek's Disease Vaccine.

(2) Poultry vaccines administered to individual birds using automatic vaccinating equipment.

(e) Final containers of biological product prepared at a licensed establishment, or imported, in cartons or other containers shall not be removed from such cartons or containers for sale or distribution, unless each final container bears, or is packaged in a carton with, complete and approved labeling which is affixed to or included with each container by the licensed establishment producing the product or by the producer in the case of imported product: *Provided,* That this paragraph is not intended to apply to licensed veterinary practitioners administering or dispensing biological products in the course of their practice under a veterinary-client-patient-relationship as that term is used in § 107.1.

(f) Labels which are affixed to or included with a biological product shall not be removed or altered in any manner.

[47 FR 8761, Mar. 2, 1982, as amended at 48 FR 12691, Mar. 28, 1983; 59 FR 43445, Aug. 24, 1994; 64 FR 43044, Aug. 9, 1999]

§ 112.7 Special additional requirements.

The label requirements in this section are additional to those prescribed elsewhere in this part.

(a) In the case of biological products containing live Newcastle Disease virus, a caution statement indicating that Newcastle Disease can cause inflammation of the eyelids of humans, and a warning to the user to avoid infecting his eyes shall be included on the enclosure.

(b) In the case of a biological product containing infectious bronchitis virus, all labels shall show the infectious bronchitis virus type or types used in the product. Abbreviation is permitted.

(c) In the case of a biological product containing inactivated rabies virus, carton labels, enclosures, and all but very small final container labels shall include a warning against freezing and the recommendations provided in this paragraph.

(1) That vaccine be administered to animals at 3 months of age or older, with a repeat dose 1 year later.

(2) Subsequent revaccination as determined from the results of duration of immunity studies conducted as prescribed in §113.209, paragraph (b) or (c), or both.

(d) In the case of a biological product containing modified live rabies virus, the carton labels, enclosures, and all but very small final container labels shall include the recommendations provided in this paragraph.

(1) For low egg-passage (below the 180th egg-passage level) the statement ''For Use in Dogs Only! Not For Use in Any Other Animal!''

(2) For other vaccines containing modified live rabies virus, the statement ''For Use In (designate animal(s)) Only! Not For Use In Any Other Animal!''

(3) Intramuscular injection at one site in the thigh shall be recommended.

(4) The statement ''In event of accidental exposure to the vaccine virus, the possible hazard to human health should be considered and State Public Health Officials should be consulted for specific recommendations'' shall be prominently placed on all carton labels and on enclosures, if used.

(5) That vaccine be administered to animals at 3 months of age or older, with a repeat dose 1 year later.

(6) Subsequent revaccination as determined from the results of duration of immunity studies conducted as prescribed in §113.312, paragraph (b) or (c), or both.

(e) In the case of bovine rhinotracheitis vaccine containing modified live virus, all labeling except small final container labels shall bear the following statement: ''Do not use in pregnant cows or in calves nursing pregnant cows.'': *Provided,* That such vaccines which have been shown to be safe for use in pregnant cows may be excepted from this label requirement by the Administrator.

(f) Unless otherwise authorized in a filed Outline of Production, labels for inactivated bacterial products shall contain an unqualified recommendation for a repeat dose to accomplish primary immunization to be given at an appropriate time interval: *Provided,* That, repeat dose recommendations prescribed in paragraphs (f)(1) through (3) of this section are required for products containing the fractions listed.

(1) *Clostridium haemolyticum.* ''Repeat the dose every 5 or 6 months in animals subject to reexposure.''

(2) *Erysipelothrix rhusiopathiae.* ''Swine: For breeding animals, repeat after 21 days and annually. Turkeys: Repeat dose every 3 months.''

(3) *Clostridium botulinum Type C.* ''Revaccinate breeders 1 month before breeding.''

(g) In the case of a liquid product authorized in a filed Outline of Production to be used as a diluent in a combination package, the carton labels and enclosures used for serials which are either not tested for bactericidal or viricidal activity or have been found unsatisfactory by such test shall contain the statement: ''CAUTION: DO NOT USE AS DILUENT FOR LIVE VACCINES.''

(h) In the case of wart vaccine, recommendations shall be limited to use in cattle. Indications for use shall be for prophylactic use only, as an aid in the control of viral papillomas (warts). All labels shall include a dosage recommendation of at least 10 ml to be

given subcutaneously and the dose repeated in 3 to 5 weeks.

(i) Unless otherwise authorized in an Outline of Production filed subsequent to the effective date of these amendments, all but very small final container labels for Feline Panleukopenia Vaccines shall contain the following recommendations for use:

(1) *Killed virus vaccines.* Vaccinate healthy cats of any age with one dose except that if the animal is less than 12 weeks of age, a second dose should be given at 12 to 16 weeks of age. Annual revaccination with a single dose is recommended.

(2) *Modified live virus vaccines.* Vaccinate healthy cats of any age with one dose except that if the animal is less than 12 weeks of age, a second dose should be given at 12 to 16 weeks of age. Annual revaccination with a single dose is recommended. Do not vaccinate pregnant cats.

(j) In the case of normal serum, antiserum, or antiserum derivatives, the type of preservative used shall be indicated on all labels.

(k) Unless acceptable data has been filed with Animal and Plant Health Inspection Service, to show that development of corneal opacity is not associated with the product, carton labels and enclosures used with biological products containing modified live canine hepatitis virus or modified live canine adenovirus Type 2 shall bear the following statement: ''Occasionally, transient corneal opacity may occur following the administration of this product.''

(l) All labels for autogenous biologics shall bear the following statement: ''Potency and efficacy of autogenous biologics have not been established. This product is prepared for use only by or under the direction of a veterinarian or approved specialist.''

(m) In the case of biological products containing Marek's disease virus, all labels shall specify the Marek's disease virus serotype(s) used in the product.

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[38 FR 12094, May 9, 1973]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 112.7, see the List of Sections Affected in the Finding Aids section of this volume.

§ 112.8 For export only.

The applicable regulations for packaging and labeling a biological product produced in the United States shall apply to such biological product if exported from the United States except as otherwise provided in this section. Only labels approved as provided in § 112.5 shall be used.

(a) Biological products which have been packaged and labeled for export or which have been exported, shall be subject to the applicable provisions in this paragraph.

(1) After leaving the licensed establishment, a biological product shall not be bottled, repackaged, relabeled, or otherwise altered in any way while in the United States; and

(2) An exported biological product shall not be returned to the United States: *Provided,* That, in the case of a biological product exported in labeled final containers, the Administrator may authorize by permit the importation of a limited number for research and evaluation by the producing licensee; and

(3) An exported biological product which is bottled, rebottled, or altered in any way in a foreign country shall not bear a label which indicates by establishment license number that it has been prepared in the United States.

(b) Desiccated and frozen liquid products, packaged and labeled as for domestic use, may be exported without the diluent required for rehydration or dilution, as the case may be, if the labeling includes adequate instructions for preparing the product for use and the words ''For Export Only''.

(c) Final containers of products, labeled or unlabeled, may be exported in sealed shipping boxes, adequately identified as to contents with an approved label, and plainly marked ''For Export Only'': *Provided,* That such products shall not be diverted to domestic use.

(d) Completed inactivated liquid products, antiserums, and antitoxins, may be exported in large multiple-dose containers identified with an approved label that contains the words ''For Export Only'' prominently displayed.

(e) Concentrated inactivated liquid product, completed except for dilution to the proper strength for use, may be

exported in large multiple-dose containers identified with an approved label that contains the words ''For Export Only'' prominently displayed.

[38 FR 12094, May 9, 1973, as amended at 39 FR 19202, May 31, 1974; 40 FR 46093, Oct. 6, 1975; 43 FR 11145, Mar. 17, 1978; 56 FR 66784, Dec. 26, 1991]

§ 112.9 Biological products imported for research and evaluation.

A biological product imported for research and evaluation under a permit issued in accordance with § 104.4, with the exception of products imported under § 104.4(d), shall be labeled as provided in this section.

(a) The label shall identify the product and the name and address of the manufacturer and shall provide instructions for proper use of the product, including all warnings and cautions needed by the permittee to safely use the product.

(b) Labels on each product to be further distributed in accordance with § 103.3 shall bear the statement ''Notice! For Experimental Use Only—Not for Sale!''

(c) The labeling shall contain any other information deemed necessary by the Administrator and specified on the permit.

[50 FR 46417, Nov. 8, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

§ 112.10 Special packaging and labeling.

A biological product, which requires special packaging and/or labeling not provided for in this part, shall be packaged and/or labeled in accordance with requirements written into the approved outline for such product.

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113.114 Tetanus Toxoid.
113.115 Staphylococcus Aureus Bacterin-Toxoid.
113.116 Pasteurella Multocida Bacterin, Avian Isolate, Type 4.
113.117 Pasteurella Multocida Bacterin, Avian Isolate, Type 1.
113.118 Pasteurella Multocida Bacterin, Avian Isolate, Type 3.
113.119 Erysipelothrix Rhusiopathiae Bacterin.
113.120 Salmonella Typhimurium Bacterin.
113.121 Pasteurella Multocida Bacterin.
113.122 Salmonella Choleraesuis Bacterin.
113.123 Salmonella Dublin Bacterin.

KILLED VIRUS VACCINES

113.200 General requirements for killed virus vaccines.
113.201 Canine Distemper Vaccine, Killed Virus.
113.202 Canine Hepatitis and Canine Adenovirus Type 2 Vaccine, Killed Virus.
113.203 Feline Panleukopenia Vaccine, Killed Virus.
113.204 Mink Enteritis Vaccine, Killed Virus.
113.205 Newcastle Disease Vaccine, Killed Virus.
113.206 Wart Vaccine, Killed Virus.
113.207 Encephalomyelitis Vaccine, Eastern, Western, and Venezuelan, Killed Virus.
113.208 Avian Encephalomyelitis Vaccine, Killed Virus.
113.209 Rabies Vaccine, Killed Virus.
113.210 Feline Calicivirus Vaccine, Killed Virus.
113.211 Feline Rhinotracheitis Vaccine, Killed Virus.
113.212 Bursal Disease Vaccine, Killed Virus.
113.213 Pseudorabies Vaccine, Killed Virus.
113.214 Parvovirus Vaccine, Killed Virus (Canine).
113.215 Bovine Virus Diarrhea Vaccine, Killed Virus.
113.216 Bovine Rhinotracheitis Vaccine, Killed Virus.

LIVE VIRUS VACCINES

113.300 General requirements for live virus vaccines.
113.301 Ovine Ecthyma Vaccine.
113.302 Distemper Vaccine—Mink.
113.303 Bluetongue Vaccine.
113.304 Feline Panleukopenia Vaccine.
113.305 Canine Hepatitis and Canine Adenovirus Type 2 Vaccine.
113.306 Canine Distemper Vaccine.
113.308 Encephalomyelitis Vaccine, Venezuelan.
113.309 Bovine Parainfluenza$_3$ Vaccine.
113.310 Bovine Rhinotracheitis Vaccine.
113.311 Bovine Virus Diarrhea Vaccine.
113.312 Rabies Vaccine, Live Virus.
113.313 Measles Vaccine.
113.314 Feline Calicivirus Vaccine.
113.315 Feline Rhinotracheitis Vaccine.
113.316 Canine Parainfluenza Vaccine.
113.317 Parvovirus Vaccine (Canine).
113.318 Pseudorabies Vaccine.
113.319–113.324 [Reserved]
113.325 Avian Encephalomyelitis Vaccine.
113.326 Avian Pox Vaccine.
113.327 Bronchitis Vaccine.
113.328 Fowl Laryngotracheitis Vaccine.
113.329 Newcastle Disease Vaccine.
113.330 Marek's Disease Vaccines.
113.331 Bursal Disease Vaccine.
113.332 Tenosynovitis Vaccine.

DIAGNOSTICS AND REAGENTS

113.400–113.405 [Reserved]
113.406 Tuberculin, Intradermic.
113.407 Pullorum antigen.
113.408 Avian mycoplasma antigen.
113.409 Tuberculin—PPD Bovis, Intradermic.

ANTIBODY PRODUCTS

113.450 General requirements for antibody products.
113.451 Tetanus Antitoxin.
113.452 Erysipelothrix Rhusiopathiae Antibody.
113.453 [Reserved]
113.454 Clostridium Perfringens Type C Antitoxin.
113.455 Clostridium Perfringens Type D Antitoxin.
113.456–113.498 [Reserved]
113.499 Products for treatment of failure of passive transfer.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 34 FR 18004, Nov. 7, 1969, unless otherwise noted.

APPLICABILITY

§ 113.1 Compliance.

The regulations in this part apply to each serial or subserial of a licensed biological product manufactured in a licensed establishment and to each serial or subserial of a biological product in each shipment imported for distribution and sale.

§ 113.2 Testing aids.

To better ensure consistent and reproducible test results when Standard Requirement tests prescribed in the regulations are conducted, National Veterinary Services Laboratories, U.S. Department of Agriculture, may provide testing aids, when available, to licensees, permittees, and applicants for licenses and permits. Such aids shall be as follows:

(a) Supplemental Assay Method (SAM) is a technical bulletin containing detailed instructions for conducting a test. Such instructions shall be in accordance with the procedures currently being followed at National Veterinary Services Laboratories and as improved, proven procedures are developed, shall be revised and reissued prior to application.

(b) Standard Reference Preparation is a serum, virus, bacterial culture, or antigen to be used in test systems for direct comparison with serials of biological products under test.

(c) Standard Test Reagent is a serum, antitoxin, fluorescent antibody conjugate, toxin, virus, bacterial cultural, or antigen to be used in test systems but not for direct comparison with serials of biological products under test.

(d) Seed cultures are small quantities of standard organisms to be propagated by the recipient to establish a supply for use.

(e) Test Code Number is a number assigned by Animal and Plant Health Inspection Service to each test procedure specified in the Standard Requirements and in each filed Outline of Production where such test is conducted to support a request for release of a serial or subserial.

[39 FR 21041, June 18, 1974, as amended at 40 FR 758, Jan. 3, 1975; 50 FR 21799, May 29, 1985; 56 FR 66784, Dec. 26, 1991]

§ 113.3 Sampling of biological products.

Each licensee and permittee shall furnish representative samples of each serial or subserial of a biological product manufactured in the United States or imported into the United States as prescribed in this section. Additional samples may be purchased in the open market by a Animal and Plant Health Inspection Service representative.

(a) Either an employee of the Department of Agriculture, of the licensee, or of the permittee, as designated by the Administrator shall select prerelease samples of biological product in the number prescribed in paragraph (b) of this section. Each sample shall be marked for identification by the person making the selection after which they shall be packaged by the licensee or permittee, as the case may be, and forwarded to National Veterinary Services Laboratories; except that an employee of the Department may forward or deliver the samples to National Veterinary Services Laboratories if such action deemed advisable by the Administrator.

(1) Selection shall be made as follows:

(i) Nonviable liquid biological products—either bulk or final container samples of completed product shall be selected for purity, safety, or potency tests. Biological product in final container shall be selected to test for viable bacteria and fungi.

(ii) Viable liquid biological products; samples shall be in final containers and shall be randomly selected at the end of the filling operation. Bulk containers of completed product may be sampled when authorized by the Administrator.

(iii) Desiccated biological products; samples shall be in final containers and shall be randomly selected if desiccated in the final container. Biological products desiccated in bulk shall be sampled at the end of the filling operation.

(iv) Representative samples of each serial or subserial in each shipment of imported biological products shall be selected.

(2) Comparable samples shall be used by Animal and Plant Health Inspection Service, the licensee, and the permittee for similar tests.

(3) When bulk samples of completed product in liquid form are to be tested as prescribed in paragraph (a)(1) of this section, the number of such samples from each serial and the minimum quantity of product to be provided in each sample shall be stated in the filed Outline of Production.

(b) Unless otherwise prescribed by the Administrator, the number of final container samples to be selected from each serial and subserial shall be:

(1) *Vaccines:*

(i) Six multiple-dose samples of Brucella Abortus Vaccine;

(ii) Twelve samples of all other live bacterial vaccines;

(iii) Two samples of Coccidiosis Vaccine;

(iv) Eighteen samples of Rabies Vaccine, Modified Live Virus;

(v) Sixteen samples of all other vaccines consisting of live microorganisms;

(vi) Thirty single-dose or 14 multiple-dose samples of Equine Encephalomyelitis Vaccine, Killed Virus;

(vii) Twenty-two single-dose or 14 multiple-dose samples of Rabies Vaccine, Killed Virus;

(viii) Sixteen single-dose or 12 multiple-dose samples of all other vaccines consisting of killed microorganisms.

(2) *Bacterins and bacterin-toxoids:*

(i) Twelve samples of single-fraction products;

(ii) Thirteen samples of two-fraction products;

(iii) Fourteen samples of products consisting of 3 or more fractions.

(3) *Antiserums:* Twelve samples of antiserum recommended for large animals or 14 samples of antiserum recommended for small animals or the number of reagent serum samples prescribed in the filed Outline of Production for the product.

(4) *Antitoxins:*

(i) Fourteen single-dose or 12 multiple dose samples of Tetanus Antitoxin;

(ii) Twelve samples of all other antitoxins.

(5) *Toxoids:*

(i) Eighteen single-dose or 12 multiple dose samples of all toxoids.

(6) *Antigens:* Twelve samples of poultry antigens or 20 samples of tuberculin or four samples of all other diagnostic antigens.

(7) *Diagnostic test kits:* Two samples of diagnostic test kits. The licensee or permittee will hold one of these selected samples at the storage temperature recommended on the label while awaiting a request by the animal and Plant Health Inspection Service to submit the additional sample. If submission is not requested by the Animal and Plant Health Inspection Service, the additional sample may be returned to the serial inventory after the serial is released. In the case of diagnostic test kits in which final packaging consists of multiple microtiter test plates or strips, the licensee or permittee may submit a specified number of test plates or strips along with all other test reagents as prescribed in a filed Outline of Production and retain a similar amount as a second sample for submission upon request. When the initial sample is not representative of final packaging by the licensee of permittee, e.g., does not consist of all the microtiter test plates or strips, the second sample is not eligible to be returned to serial inventory after the serial is released.

(8) *Autogenous biologics:* Ten samples shall be selected from each serial of autogenous biologic that exceeds 50 containers. No samples, other than those required by paragraph (e) of this section, are required for a serial of autogenous biologic with 50 or fewer containers.

(9) *Miscellaneous:* The number of samples from products not in the categories provided for in paragraphs (b)(1) through (b)(8) of this section shall be prescribed in the filed Outline of Production for the product.

(c) Prelicensing and Outline of Production changes: Samples needed to support a license application or a change in the Outline of Production for

a licensed product shall be submitted only upon request from the animal and Plant Health Inspection Service. Except for miscellaneous products specified in paragraph (b)(9) of this section, the number of such samples shall be at least one and one-half times the number prescribed for such product in paragraph (b) of this section. Samples of Master Seeds and Master Cell Stocks with a minimum individual volume of 1 ml shall be submitted as follows:

(1) Ten samples of Bacterial Master Seeds.

(2) Thirteen samples of viral Master Seeds or nonviral Master Seeds requiring cell culture propagation. For Master Seeds isolated or passed in a cell line different from the species of intended use, an additional 2 samples are required for each additional species. For Master Seeds grown in cell culture and intended for use in more than one species, an additional 2 samples are required for each additional species.

(3) Thirty-six samples of at least 1 ml each or six samples of at least 1 ml each, one sample of at least 20 ml, and one sample of at least 10 ml of Master Cell Stocks. In the case of Master Cell Stocks which are persistently infected with a virus, an additional four samples of at least 1 ml each are required. If these persistently infected cell stocks are intended for use in more than one species, an additional two samples of at least 1 ml each are required for each additional species.

(4) Four samples of the Master Cell Stock + n (highest passage) cells.

(d) Sterile diluent: A sample of Sterile Diluent shall accompany each sample of product, other than Marek's Disease Vaccine, if such diluent is required to rehydrate or dilute the product before use. The volume of diluent shall be an appropriate amount to rehydrate or dilute the product. Samples of Sterile Diluent prepared for use with Marek's Disease Vaccine shall be submitted upon request from the Animal and Plant Health Inspection Service.

(e) Reserve samples shall be selected from each serial and subserial of biological product. Such samples shall be selected at random from final containers of completed product by an employee of the Department, of the licensee, or of the permittee, as designated by the administrator. Each sample shall:

(1) Consist of 5 single-dose packages, 2 multiple-dose packages, or 2 diagnostic test kits, except that, in the case of diagnostic test kits in which final packaging consists of multiple microtiter test plates or strips, a sample may consist of a specified number of test plates or strips along with all other test reagents as prescribed in a filed Outline of Production;

(2) Be adequate in quantity for appropriate examination and testing;

(3) Be truly representative and in final containers;

(4) Be held in a special compartment set aside by the licensee or permittee for holding these samples under refrigeration at the storage temperature recommended on the labels for 6 months after the expiration date stated on the labels. The samples that are stored in this manner shall be delivered to the Animal and Plant Health Inspection Service upon request.

(Approved by the Office of Management and Budget under control number 0579–0013)

[38 FR 29886, Oct. 30, 1973, as amended at 40 FR 758, Jan. 3, 1975; 40 FR 49768, Oct. 24, 1975; 41 FR 56627, Dec. 29, 1976; 48 FR 9506, Mar. 7, 1983; 48 FR 57473, Dec. 30, 1983; 50 FR 21799, May 29, 1985; 56 FR 66784, Dec. 26, 1991; 60 FR 14356, Mar. 17, 1995]

§ 113.4 Exemptions to tests.

(a) The test methods and procedures contained in all applicable Standard Requirements shall be complied with unless otherwise exempted by the Administrator and provided that such exemption is noted in the filed Outline of Production for the product.

(b) Test methods and procedures by which the biological products shall be evaluated shall be designated in the Outline of Production for such products.

[38 FR 29887, Oct. 30, 1973, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.5 General testing.

(a) No biological product shall be released prior to the completion of tests prescribed in a filed Outline of Production or Standard Requirements for the product to establish the product to be pure, safe, potent, and efficacious.

(b) Tests of biological products shall be observed by a competent employee of the manufacturer during all critical periods. A critical period shall be the time when certain specified reactions must occur in required tests to properly evaluate the results.

(c) Records of all tests shall be kept in accordance with part 116 of this chapter. Results of all required tests prescribed in the filed Outline of Production or the Standard Requirements for the product shall be submitted to Animal and Plant Health Inspection Service. Blank forms shall be furnished upon request to Animal and Plant Health Inspection Service.

(d) When the initial or any subsequent test is declared a ''No test,'' the reasons shall be reported in the test records, the results shall not be considered as final, and the test may be repeated.

(e) When new test methods are developed and approved by Animal and Plant Health Inspection Service, biological products tested thereafter shall be evaluated by such methods, and if not found to be satisfactory when so tested shall not be released.

(Approved by the Office of Management and Budget under control number 0579–0059)

[34 FR 18004, Nov. 4, 1969, as amended at 39 FR 25463, July 11, 1974; 40 FR 45420, Oct. 2, 1975; 40 FR 46093, Oct. 6, 1975; 41 FR 6751, Feb. 13, 1976; 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991]

§ 113.6 Animal and Plant Health Inspection Service testing.

A biological product shall with reasonable certainty yield the results intended when used as recommended or suggested in its labeling or proposed labeling prior to the expiration date.

(a) The Administrator is authorized to cause a biological product, manufactured in the United States or imported into the United States, to be examined and tested for purity, safety, potency, or efficacy; in which case, the licensee or permittee shall withhold such product from the market until a determination has been made.

(b) The final results of each test conducted by the licensee and Animal and Plant Health Inspection Service shall be considered in evaluating a biological product. A serial or subserial which has been found unsatisfactory by a required test prescribed in a filed Outline of Production or Standard Requirement is not in compliance with the regulations and shall not be released for market.

[34 FR 18004, Nov. 7, 1969, as amended at 40 FR 45420, Oct. 2, 1975; 40 FR 53378, Nov. 18, 1975; 41 FR 6751, Feb. 13, 1976; 56 FR 66784, Dec. 26, 1991]

§ 113.7 Multiple fractions.

(a) When a biological product contains more than one immunogenic fraction, the completed product shall be evaluated by tests applicable to each fraction.

(b) When similar potency tests are required for more than one fraction of a combination biological product, different animals must be used to evaluate each fraction except when written Standard Requirements or outlines of production make provisions and set forth conditions for use of the same animals for testing different fractions.

(c) When the same safety test is required for more than one fraction, requirements are fulfilled by satisfactory results from one test of the completed product.

(d) When an inactivated fraction(s) is used as a diluent for a live virus fraction(s), the inactivated fraction(s) may be tested separately and the live virus fraction(s) may be tested separately: *Provided*, That, the viricidal test requirements prescribed in § 113.100 are complied with.

(e) Virus titrations for a multivirus product shall be conducted by methods which will quantitate each virus.

[34 FR 18004, Nov. 7, 1969, as amended at 40 FR 46093, Oct. 6, 1975; 56 FR 66785, Dec. 26, 1991]

§ 113.8 In vitro tests for serial release.

(a) Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seed for production as specified in the Standard Requirements or in the filed Outline of Production. The Administrator may exempt a product from a required animal potency test for release when an evaluation can, with reasonable certainty, be made by:

(1) Subjecting the master seed to the applicable requirements prescribed in §§ 113.64, 113.100, 113.200, and 113.300;

(2) Testing the Master Seed for immunogenicity in a manner acceptable to the Animal and Plant Health Inspection Service (APHIS);

(3) Establishing satisfactory potency for the product in accordance with the following provisions:

(i) Potency for live products may be determined by $\log_{10}$ virus titer or determining the live bacterial count based on the protective dose used in the Master Seed immunogenicity test plus an adequate overage for adverse conditions and test error; and

(ii) Potency for inactivated products may be determined using tests for relative antigen content by comparing the antigen content of the test serial to a reference preparation using a parallel line immunoassay or equivalent method which measures linearity, specificity, and reproducibility in a manner acceptable to APHIS.

(b) In the case of live products, each serial and subserial of desiccated product derived from an approved Master Seed and bulk or final container samples of each serial of completed liquid product derived from an approved Master Seed shall be evaluated by a test procedure acceptable to APHIS. On the basis of the results of the test, as compared with the required minimum potency, each serial and subserial shall either be released to the firm for marketing or withheld from the market. The evaluation of such products shall be made in accordance with the following criteria:

(1) If the initial test shows the count or titer to equal or exceed the required minimum, the serial or subserial is satisfactory without additional testing.

(2) If the initial test shows the count or titer to be lower than the required minimum, the serial or subserial may be retested, using double the number of samples. The average counts or titers obtained in the retests shall be determined. If the average is less than the required minimum, the serial or subserial is unsatisfactory without further consideration.

(3) If the average is equal to or greater than the required minimum, the following shall apply to live virus vaccines:

(i) If the difference between the average titer obtained in the retests and the titer obtained in the initial test is $10^{0.7}$ or greater, the initial titer may be considered a result of test system error and the serial or subserial considered satisfactory for virus titer.

(ii) If the difference between the average titer obtained in the retests and the titer obtained in the initial test is less than $10^{0.7}$, a new average shall be determined using the titers obtained in all tests. If the new average is below the required minimum, the serial or subserial is unsatisfactory.

(4) If the average is equal to or greater than the required minimum, the following shall apply to bacterial vaccines:

(i) If the average count obtained in the retests is at least three times the count obtained in the initial test, the initial count may be considered a result of test system error and the serial or subserial considered satisfactory for bacterial count.

(ii) If the average count obtained in the retests is less than three times the count obtained in the initial test, a new average shall be determined using the counts obtained in all tests. If the new average count is below the required minimum, the serial or subserial is unsatisfactory.

(5) *Exceptions.* When a product is evaluated in terms other than $\log_{10}$ virus titer or organism count, an appropriate difference between the average potency value obtained in the retests and the potency value obtained in the initial test shall be established for use in paragraphs (b)(3) and (b)(4) of this section to evaluate such products and shall be specified in the product Standard Requirement or filed Outline of Production.

(c) In the case of inactivated products, bulk or final container samples of completed product from each serial derived from an approved Master Seed, shall be evaluated for relative antigen content (potency) as compared with an unexpired reference by a parallel line

immunoassay or other procedure acceptable to APHIS.[1] Firms currently using immunoassays which do not satisfy this requirement shall have 2 years from the effective date of the final rule to update their filed Outlines of Production to be in compliance with this requirement unless granted an extension by the Administrator based on a showing by the firm seeking the extension that they have made a good faith effort with due diligence to achieve compliance. On the basis of the results of such test procedures, each serial that meets the required minimum potency shall be released to the firm for marketing; each serial not meeting the required minimum potency shall be withheld from the market. The evaluation of such products shall be made in accordance with the following criteria:

(1) A test that results in no valid lines is considered a ''no test'' and may be repeated.

(2) An initial test (test 1) that results in valid lines that are not parallel is considered a valid equivocal test. Release of the serial may not be based on such test since the result cannot be termed ''satisfactory'' or ''unsatisfactory.''

(3) If the initial test (test 1) shows that potency equals or exceeds the required minimum potency, the serial is satisfactory without additional testing.

(4) If the initial test (test 1) is an equivocal test due to lack of parallelism, the serial may be retested up to three times (tests 2, 3, and 4) with disposition to be as specified in paragraphs (c)(4)(i) and (ii) of this section; *Provided,* That, if the serial is not retested or the other provisions of this section are not satisfied, the serial shall be deemed unsatisfactory.

(i) If: The first retest (test 2) following an initial equivocal test; the second retest (test 3) following two consecutive equivocal tests (tests 1 and 2); or the third retest (test 4) following three consecutive equivocal tests (tests 1, 2, and 3) shows that the potency equals or exceeds the required minimum potency, the serial is satisfactory.

(ii) If the first retest (test 2) following an initial equivocal test shows that potency is less than the required minimum potency, disposition of the serial will be based on the outcome of retests 2 and 3 (tests 3 and 4) as follows: if either retest (test 3 or 4) shows that potency is less than the required minimum potency, the serial is unsatisfactory. If either retest 2 or retest 3 (tests 3 or 4) is an equivocal test, or in the event that each retest (tests 2, 3, and 4) following an initial equivocal test is also an equivocal test, the accumulated test results shall be considered indicative of a lack of potency and release of the serial withheld. In which case, the licensee may submit data confirming the continued validity of the test system to APHIS for review and approval. If the data are acceptable to APHIS, the potency test may be repeated by the firm, subject to the provisions specified in paragraphs (i) and (ii) and confirmatory testing by APHIS.

(5) If the initial test (test 1) shows that potency is less than the required minimum potency, the serial may be retested a minimum of two times (tests 2 and 3) but not more than three times (tests 2, 3, and 4) with disposition as specified in paragraphs (c)(5) (i) and (ii) of this section; *Provided,* That, if the serial is not retested or the other provisions of this section are not satisfied, the serial shall be deemed unsatisfactory.

(i) If two consecutive retests (tests 2 and 3) show that potency of the serial equals or exceeds the required minimum potency, the serial is satisfactory. If one of the two retests (test 2 or 3) shows that the potency is less than the required minimum potency, the serial is unsatisfactory.

(ii) If one of the retests (tests 2 or 3) shows that the potency equals or exceeds the required minimum potency and the other retest (test 2 or 3) is an equivocal test, a third retest (test 4) may be performed. If the third retest

[1] A method for evaluating relative antigen content, Supplemental Assay Method 318, and relative potency calculation software are available from the United States Department of Agriculture, Animal and Plant Health Inspection Service, Veterinary Services, National Veterinary Services Laboratories, Center for Veterinary Biologics—Laboratory, 1800 Dayton Road, P. O. Box 844, Ames, Iowa 50010.

(test 4) shows that the potency of the serial equals or exceeds the required minimum potency, the serial is deemed satisfactory. If both retests (tests 2 and 3) or if the third retest (test 4) is an equivocal test, the accumulated test results shall be considered indicative of a lack of potency and release of the serial withheld, in which case the licensee may submit data confirming the continued validity of the test system to APHIS for review and approval. If the data are acceptable to APHIS, the potency test may be repeated by the firm, subject to the provisions specified in paragraphs (c)(4) (i) and (ii) and (c)(5) (i) and (ii) of this section, and confirmatory testing by APHIS.

(d) *Repeat immunogenicity tests.* (1) The accuracy of the protective dose established for live products in the Master Seed immunogenicity test and defined as live virus titer or live bacterial count shall be confirmed in 3 years in a manner acceptable to APHIS, unless use of the lot of Master Seed previously tested is discontinued.

(2) All determinations of relative antigen content using parallel line immunoassays or equivalent methods shall be conducted with an unexpired reference. The lot of reference used to determine antigenic content shall have an initial dating period equal to the dating of the product or as supported by data acceptable to APHIS, except that frozen references may have an initial dating of up to 5 years, *Provided,* That the request for dating of the frozen references beyond the dating of the product is supported by preliminary data acceptable to APHIS and includes provisions for monitoring the stability of the reference to determine when the potency starts to decline and for taking the appropriate steps to requalify a reference with declining potency either by testing a Qualifying Serial in host animals or by providing other evidence of immunogenicity, e.g., antibody titers or laboratory animal test data previously correlated to host animal protection in a manner acceptable to APHIS. Prior to the expiration date, such reference may be granted an extension of dating, *Provided,* That its immunogenicity has been confirmed using a Qualifying Serial of product in a manner acceptable to APHIS. The dating period of the Master Reference and Working Reference may be extended by data acceptable to APHIS if the minimum potency of the Master Reference is determined to be adequately above the minimum level needed to provide protection in the host animal. If a new Master Reference is established, it shall be allowed an initial dating period equal to the dating of the product or as supported by data acceptable to APHIS, except that frozen references may have an initial dating period of 5 years, or as supported by data acceptable to APHIS. Prior to the expiration date, such reference may be granted an extension of dating by confirming its immunogenicity using a Qualifying Serial of product.

(e) Final container samples of completed product derived from Master Seed found immunogenic in accordance with paragraph (a) of this section and found satisfactory in accordance with paragraphs (b) and (c) of this section may also be subjected to an animal potency test by Animal and Plant Health Inspection Service as provided in this paragraph. Products shall be used according to label directions including dose(s) and route of administration.

(1) A one stage test using 20 vaccinates and 5 controls or a two stage test using 10 vaccinates and 5 controls for each stage shall be used. The criteria used for judging the specific response in the controls and vaccinates shall be in accordance with the test protocol used in the Master Seed immunogenicity test.

(2) If at least 80 percent of the controls do not show specific responses to challenge, the test is inconclusive and may be repeated. If a vaccinate shows the specific responses to challenge expected in the controls, the vaccinate shall be listed as a failure.

(3) The results of the testing shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of animals	Failures for satisfactory serials	Failures for unsatisfactory serials
1	10	1 or less	3 or more.
2 (or 1)	20	4 or less	5 or more.

(4) When a serial has been found unsatisfactory for potency by the test provided in paragraphs (e)(1), (2), and (3) of this section, the serial shall be withheld from the market and the following actions taken:

(i) The Administrator shall require that at least two additional serials prepared with the same Master Seed be subjected to similar animal potency tests by Animal and Plant Health Inspection Service or the licensee or both.

(ii) If another serial is found unsatisfactory for potency, the product shall be removed from the market while a reevaluation of the product is made and the problem is resolved.

[49 FR 22625, May 31, 1984, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 62 FR 19038, Apr. 18, 1997]

§ 113.9 New potency test.

A potency test written into the filed Outline of Production for a product shall be considered confidential information by Animal and Plant Health Inspection Service until at least two additional product licenses are issued for the product or unless use of the test is authorized by the licensee, in which case, such potency test may be published as part of the Standard Requirement for the product.

(a) Until a potency test is published as part of the Standard Requirement for the product, reference to such a test shall be made in the filed Outline of Production and the test shall be conducted.

(b) When a potency test has been published as part of the Standard Requirement, such test shall be conducted unless the product is specifically exempted as provided in § 113.4.

[40 FR 14084, Mar. 28, 1975, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.10 Testing of bulk material for export or for further manufacture.

When a product is prepared in a licensed establishment for export in large multiple-dose containers as provided in § 112.8(d) or (e) of this subchapter or for further manufacturing purposes as provided in § 114.3(d) of this subchapter, samples of the bulk material shall be subjected to all required tests prescribed in the filed Outline of Production or Standard Requirements for the product. Samples of concentrated liquid product shall be diluted to a volume equal to the contents of the sample times the concentration factor prior to initiating potency tests.

[49 FR 45846, Nov. 21, 1984]

STANDARD PROCEDURES

§ 113.25 Culture media for detection of bacteria and fungi.

(a) Ingredients for which standards are prescribed in the United States Pharmacopeia, or elsewhere in this part, shall conform to such standards. In lieu of preparing the media from the individual ingredients, they may be made from dehydrated mixtures which, when rehydrated with purified water, have the same or equivalent composition as such media and have growth-promoting buffering, and oxygen tension-controlling properties equal to or better than such media. The formulas for the composition of the culture media prescribed in §§ 113.26 and 113.27 are set forth in the United States Pharmacopeia, 19th Edition.

(b) The licensee shall test each quantity of medium prepared at one time from individual ingredients and the first quantity prepared from each lot of commercial dehydrated medium for growth-promoting qualities. If any portion of a lot of commercial dehydrated medium is held for 90 days or longer after being so tested, it shall be retested before use. Two or more strains of micro-organisms that are exacting in their nutritive requirements shall be used. More than one dilution shall be used to demonstrate the adequacy of the medium to support the growth of a minimum number of micro-organisms.

(c) The sterility of the medium shall be confirmed by incubating an adequate number of test vessels and examining each for growth. Additional control may be used by incubation of representative uninoculated test vessels for the required incubation period during each test.

(d) A determination shall be made by the licensee for each biological product of the ratio of inoculum to medium which shall result in sufficient dilution of such product to prevent bacteriostatic and fungistatic activity.

The determination may be made by tests on a representative biological product for each group of comparable products containing identical preservatives at equal or lower concentrations. Inhibitors or neutralizers of preservatives, approved by the Administrator, may be considered in determining the proper ratio.

[35 FR 16039, Oct. 13, 1970, as amended at 37 FR 2430, Feb. 1, 1972; 41 FR 27715, July 6, 1976; 56 FR 66784, Dec. 26, 1991]

§ 113.26 Detection of viable bacteria and fungi except in live vaccine.

Each serial and subserial of biological product except live vaccines shall be tested as prescribed in this section unless otherwise specified by the Administrator. When cell lines, primary cells, or ingredients of animal origin used in the preparation of a biological product are required to be free of viable bacteria and fungi, they shall also be tested as prescribed in this section.

(a) The media to be used shall be as follows:

(1) Fluid Thioglycollate Medium with 0.5 percent beef extract shall be used to test for bacteria in biological products containing clostridial toxoids, bacterins, and bacterin-toxoids.

(2) Fluid Thioglycollate Medium with or without 0.5 percent beef extract shall be used to test for bacteria in biological products other than clostridial toxoids, bacterins, and bacterin-toxoids.

(3) Soybean-Casein Digest Medium shall be used to test biological products for fungi; provided, that Fluid Thioglycollate Medium without beef extract shall be substituted when testing biological products containing mercurial preservatives.

(b) Test procedure:

(1) Ten test vessels shall be used for each of two media selected in accordance with paragraph (a)(1), (a)(2), or (a)(3) of this section. Each test vessel shall contain sufficient medium to negate the bacteriostatic or fungistatic activity in the inoculum as determined in § 113.25(d).

(2) Inoculum:

(i) When completed product is tested, 10 final container samples from each serial and each subserial shall be tested. One ml from each sample shall be inoculated into a corresponding individual test vessel of culture medium: *Provided*, That, if each final container sample contains less than 2 ml, one-half of the contents shall be used as inoculum for each test vessel.

(ii) When cell lines, primary cells, or ingredients of animal origin are tested, at least a 20 ml test sample from each lot shall be tested. One ml shall be inoculated into each test vessel of medium.

(3) Incubation shall be for an observation period of 14 days at 30° to 35° C. to test for bacteria and 14 days at 20° to 25° C. to test for fungi.

(4) If the inoculum renders the medium turbid so that the absence of growth cannot be determined by visual examination, subcultures shall be made on the seventh to eleventh day from biological products prepared from clostridial toxoids, bacterins, and bacterin-toxoids and the third to seventh day for other biological products. Portions of the turbid medium in amounts of not less than 1.0 ml. shall be transferred to 20 to 25 ml. of fresh medium, and incubated the balance of the 14-day period.

(c) Examine the contents of all test vessels for macroscopic microbial growth during the incubation period. When demonstrated by adequate controls to be invalid, the test may be repeated. For each set of test vessels representing a serial or subserial in a valid test, the following rules shall apply:

(1) If no growth is found in any test vessel, the serial or subserial meets the requirements of the test.

(2) If growth is found in any test vessel, one retest to rule out faulty technique may be conducted using 20 unopened final container samples.

(3) If growth is found in any test vessel of the final test, the serial, subserial, or ingredients to be used in the preparation of a biological product, as the case may be, is unsatisfactory.

[35 FR 16039, Oct. 13, 1970, as amended at 37 FR 2430, Feb. 1, 1972; 39 FR 21042, June 18, 1974; 40 FR 758, Jan. 3, 1975; 40 FR 14084, Mar. 28, 1975; 56 FR 66784, Dec. 26, 1991]

§ 113.27 Detection of extraneous viable bacteria and fungi in live vaccines.

Unless otherwise specified by the Administrator or elsewhere exempted in this part, each serial and subserial of live vaccine and each lot of Master Seed Virus and Master Seed Bacteria shall be tested for extraneous viable bacteria and fungi as prescribed in this section. A Master Seed found unsatisfactory shall not be used in vaccine production and a serial found unsatisfactory shall not be released.

(a) *Live viral vaccines.* Each serial and subserial of live viral vaccine shall be tested for purity as prescribed in this paragraph. However, products of chicken embryo origin recommended for administration other than by parenteral injection may be tested as provided in paragraph (e) of this section.

(1) Soybean Casein Digest Medium shall be used.

(2) Ten final container samples from each serial and subserial shall be tested.

(3) Immediately prior to starting the test, frozen liquid vaccine shall be thawed, and desiccated vaccine shall be rehydrated as recommended on the label with accompanying diluent or with sterile purified water.

(4) To test for bacteria, place 0.2 ml of vaccine from each final container into a corresponding individual vessel containing at least 120 ml of Soybean Casein Digest Medium. Additional medium shall be used if the determination required in § 113.25(d) indicates the need for a greater dilution of the product. Incubation shall be at 30° to 35° C for 14 days.

(5) To test for fungi, place 0.2 ml of vaccine from each final container sample into a corresponding individual vessel containing at least 40 ml of Soybean Casein Digest Medium. Additional medium shall be used if the determination required in § 113.25(d) indicates the need for a greater dilution of the product. Incubation shall be at 20° to 25° C for 14 days.

(6) Examine the contents of all test vessels macroscopically for microbial growth at the end of the incubation period. If growth in a vessel cannot be reliably determined by visual examination, judgment shall be confirmed by subcultures, microscopic examination, or both.

(7) For each set of test vessels representing a serial or subserial tested according to these procedures, the following rules shall apply:

(i) If growth is found in 2 or 3 test vessels of the initial test, 1 retest to rule out faulty technique may be conducted using 20 unopened final container samples.

(ii) If no growth is found in 9 or 10 of the test vessels in the initial test, or 19 or 20 vessels in the retest, the serial or subserial meets the requirements of the test.

(iii) If growth is found in four or more test vessels in the initial test, or two or more in a retest, the serial or subserial is unsatisfactory.

(b) *Live bacterial vaccines.* Each serial or subserial of live bacterial vaccine shall be tested for purity as prescribed in this paragraph.

(1) Soybean Casein Digest Medium and Fluid Thioglycollate Medium shall be used.

(2) Ten final container samples from each serial and subserial shall be tested.

(3) Immediately prior to starting the test, frozen liquid vaccine shall be thawed, and desiccated vaccine shall be rehydrated as recommended on the label with accompanying diluent or with sterile purified water. Product recommended for mass vaccination shall be rehydrated at the rate of 30 ml sterile purified water per 1,000 doses.

(4) To test for extraneous bacteria, place 0.2 ml of vaccine from each final container into a corresponding individual vessel containing at least 40 ml of Fluid Thioglycollate Medium. Additional medium shall be used if the determination required in § 113.25(d) indicates the need for a greater dilution of the product. Incubation shall be at 30° to 35° C for 14 days.

(5) To test for extraneous fungi, place 0.2 ml of vaccine from each final container into a corresponding individual vessel containing at least 40 ml of Soybean Casein Digest Medium. Additional medium shall be used if the determination required in § 113.25(d) indicates the need for a greater dilution of the product. Incubation shall be at 20° to 25° C for 14 days.

(6) Examine the contents of all test vessels macroscopically for atypical microbial growth at the end of the incubation period. If growth of extraneous microorganisms cannot be reliably determined by visual examination, judgment shall be confirmed by subculturing, microscopic examination, or both.

(7) For each set of test vessels representing a serial or subserial tested according to these procedures, the following rules shall apply:

(i) If extraneous growth is found in 2 or 3 test vessels of the initial test, 1 retest to rule out faulty technique may be conducted using 20 unopened final container samples.

(ii) If no extraneous growth is found in 9 or 10 test vessels in the initial test, or 19 or 20 vessels in the retest, the serial or subserial meets the requirements of the test.

(iii) If extraneous growth is found in 4 or more test vessels in the initial test, or 2 or more in a retest, the serial or subserial is unsatisfactory.

(c) *Master Seed Virus.* Not less than 4 ml of each lot of Master Seed Virus shall be tested. Frozen liquid Master Seed Virus shall be thawed, and desiccated Master Seed Virus shall be rehydrated with Soybean Casein Digest Medium immediately prior to starting the test.

(1) To test for bacteria, place 0.2 ml of the sample of Master Seed Virus into 10 individual vessels each containing at least 120 ml of Soybean Casein Digest Medium. Incubation shall be at 30° to 35° C for 14 days.

(2) To test for fungi, place 0.2 ml of the sample of Master Seed Virus into 10 individual vessels each containing at least 40 ml of Soybean Casein Digest Medium. Incubation shall be at 20° to 25° C for 14 days.

(3) Examine the contents of all test vessels macroscopically for microbial growth at the end of the incubation period. If growth in a vessel cannot be reliably determined by visual examination, judgment shall be confirmed by subcultures, microscopic examination, or both.

(4) For each set of test vessels representing a lot of Master Seed Virus tested according to these procedures, the following rules shall apply:

(i) If growth is found in any test vessel of the initial test, one retest to rule out faulty technique may be conducted using a new sample of Master Seed Virus.

(ii) If growth is found in any test vessel of the final test, the lot of Master Seed Virus is unsatisfactory.

(d) *Master Seed Bacteria.* Not less than 4 ml of each lot of Master Seed Bacteria shall be tested. Frozen liquid Master Seed Bacteria shall be thawed, and desiccated Master Seed Bacteria shall be rehydrated with sterile purified water immediately prior to starting the test.

(1) To test for extraneous bacteria, place 0.2 ml of the sample of Master Seed Bacteria into 10 individual vessels each containing at least 40 ml of Fluid Thioglycollate Medium. Incubation shall be at 30° to 35° C for 14 days.

(2) To test for extraneous fungi, place 0.2 ml of the sample of Master Seed Bacteria into 10 individual vessels each containing at least 40 ml of Soybean Casein Digest Medium. Incubation shall be at 20° to 25° C for 14 days.

(3) Examine the contents of all test vessels macroscopically for atypical microbial growth at the end of the incubation period. If growth of extraneous microorganisms cannot be reliably determined by visual examination, judgment shall be confirmed by subcultures, microscopic examination, or both.

(4) For each set of test vessels representing a lot of Master Seed Bacteria tested according to these procedures, the following rules shall apply:

(i) If extraneous growth is found in any test vessel of the initial test, one retest to rule out faulty technique may be conducted using a new sample of Master Seed Bacteria.

(ii) If extraneous growth is found in any test vessel of the final test, the lot of Master Seed Bacteria is unsatisfactory.

(e) Live viral vaccines of chicken embryo origin recommended for administration other than by parenteral injection, which were not tested or have not been found free of bacteria and fungi by the procedures prescribed in paragraph (a) of this section, may be tested according to the procedures prescribed in this paragraph.

(1) Brain Heart Infusion Agar shall be used with 500 Kinetic (Kersey) units of penicillinase per ml of medium added just prior to pouring the plates.

(2) Ten final containers from each serial and each subserial shall be tested.

(3) Immediately prior to starting the test, frozen liquid vaccine shall be thawed, and lyophilized vaccine shall be rehydrated to the quantity recommended on the label using the accompanying sterile diluent or sterile purified water. Product recommended for mass vaccination shall be rehydrated at the rate of 30 ml sterile purified water per 1,000 doses.

(4) From each container sample, each of 2 plates shall be inoculated with vaccine equal to 10 doses if the vaccine is recommended for poultry or 1 dose if the vaccine is recommended for other animals. Twenty ml of medium shall be added to each plate. One plate shall be incubated at 30° to 35° for 7 days and the other plate shall be incubated at 20° to 25° C for 14 days.

(5) Colony counts shall be made for each plate at the end of the incubation period. An average colony count for the 10 samples representing the serial or subserial shall be made for each incubation condition.

(6) For each set of test vessels representing a serial or subserial tested according to these procedures, the following rules shall apply:

(i) If the average count at either incubation condition exceeds 1 colony per dose for vaccines recommended for poultry, or 10 colonies per dose for vaccines recommended for other animals in the initial test, 1 retest to rule out faulty technique may be conducted using 20 unopened final containers.

(ii) If the average count at either incubation condition of the final test for a serial or subserial exceeds 1 colony per dose for vaccines recommended for poultry, or 10 colonies per dose for vaccines recommended for other animals, the serial or subserial is unsatisfactory.

[48 FR 28430, June 22, 1983, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.28 Detection of mycoplasma contamination.

The heart infusion test, using heart infusion broth and heart infusion agar, provided in this section shall be conducted when a test for mycoplasma contamination is prescribed in an applicable Standard Requirement or in the filed Outline of Production for the product.

(a) Media additives provided in this paragraph shall be prepared as follows:

(1) DPN-Cysteine Solution:

(i) Use Nicotinamide adenine dinucleotide (oxidized) and L-Cysteine hydrochloride.

(ii) Prepare 1 gram/100 milliliters (ml) purified water (1 percent solution) of each. Mix the solutions together; the cysteine reduces the DPN. Filter sterilize, dispense in appropriate amounts and store frozen at −20 degrees centigrade.

(2) Inactivated horse serum—horse serum which has been inactivated at 56° C for 30 minutes.

(b) Heart infusion broth shall be prepared as provided in this paragraph.

(1) Dissolve in 970 ml of purified water, 25 grams of heart infusion broth, 10 grams of proteose peptone No. 3, and either 5 grams of yeast autolysate or 5 ml of fresh yeast extract.

(2) Add the following:

1 percent tetrazolium chloride (ml)	5.5
1 percent thallium acetate (ml)	25
Penicillin (units)	500,000
Inactivated horse serum (ml)	100

(3) Adjust pH to 7.9 with NaOH, filter sterilize, and dispense 100 ml aliquots into 125 ml flasks and store until needed.

(4) Add 2 ml of DPN-Cysteine solution to each 100 ml of broth on day of use.

(c) Heart Infusion Agar shall be prepared as provided in this paragraph.

(1) Dissolve in 900 ml of purified water by boiling the following:

Heart infusion agar (g)	25
Heart–infusion broth (g)	10
Proteose peptone No. 3 (g)	10
1 pct thallium acetate (ml)	25

(2) Cool the medium and adjust pH to 7.9 with NaOH.

(3) Autoclave the medium.

(4) Cool the medium 30 minutes in a 56° C waterbath.

(5) Dissolve 5 grams of yeast autolysate in 100 ml of distilled water, filter sterilize, and add to the medium.

(6) Add to the medium:

126 ml of inactivated horse serum
21 ml of DPN-Cysteine solution

525,000 units of Penicillin.

Dispense 10 ml aliquots into 60×15 mm disposable culture dishes or petri dishes.

(d) The test procedure provided in this paragraph shall be followed when conducting the mycoplasma detection test.

(1) Preparation of inoculum. Immediately prior to starting the test, frozen liquid vaccine shall be thawed, and lyophilized vaccine shall be rehydrated to the volume recommended on the label with mycoplasma medium. In the case of a lyophilized biological product, e.g., 1,000 dose vial of poultry vaccine to be administered via the drinking water, the vaccine shall be rehydrated to 30 ml with mycoplasma medium. In the case of a cell line or a sample of primary cells, the inoculum shall consist of the resuspended cells. Control tests shall be established as provided in paragraph (d)(4) of this section.

(2) Inoculation of plate. Plate 0.1 ml of inoculum on an agar plate and make a short, continuous streak across the plate with a pipet. Tilt the plate to allow the inoculum to flow over the surface.

(3) Inoculation of flask of medium. Transfer 1 ml of the inoculum into a flask containing 100 ml mycoplasma medium and mix thoroughly. Incubate the flask at 33 to 37° C for 14 days during which time, one of four agar plates shall be streaked with 0.1 ml of material from the incubating flask of inoculated medium on the 3d day, one on the 7th day, one on the 10th day, and one on the 14th day post-inoculation.

(4) Control tests shall be conducted simultaneously with the detection test using techniques provided in paragraphs (d)(2) and (3) of this section, except the inoculum for the positive control test shall be selected mycoplasma cultures and the negative control test shall be uninoculated medium from the same lot used in the detection test.

(5) All plates shall be incubated in a high humidity, 4–6 percent CO_2 atmosphere at 33° to 37° C for 10–14 days and examined with a stereoscopic microscope at 35x to 100x or with a regular microscope at 100x.

(e) Interpretation of test results.

(1) If growth appears on at least one of the plates in the positive control test and does not appear on any of the plates in the negative control test, the test is valid.

(2) If mycoplasma colonies are found on any of the plates inoculated with material being tested, the results are positive for mycoplasma contamination.

[38 FR 29887, Oct. 30, 1973, as amended at 41 FR 6752, Feb. 13, 1976; 41 FR 32882, Aug. 6, 1976]

§ 113.29 Determination of moisture content in desiccated biological products.

The moisture content shall be determined for each serial of desiccated product. the maximum moisture content for each product shall be established and an acceptable method used to determine the moisture content shall be described in an Outline of Production approved for filing by APHIS.

[54 FR 19352, May 5, 1989]

§ 113.30 Detection of Salmonella contamination.

The test for detection of Salmonella contamination provided in this section shall be conducted when such a test is prescribed in an applicable Standard Requirement or in the filed Outline of Production for the product.

(a) Samples shall be collected from the bulk suspension before bacteriostatic or bactericidal agents have been added. When tissue culture products are to be tested, 1 ml of tissue extract used as the source of cells or 1 ml of the minced tissue per se shall be tested.

(b) Five ml of the liquid vaccine suspension shall be used to inoculate each 100 ml of liquid broth medium (tryptose and either selenite F or tetrathionate). The inoculated media shall be incubated 18–24 hours at 35–37° C.

(c) Transfers shall be made to either MacConkey agar or Salmonella-Shigella agar, incubated for 18–24 hours and examined.

(d) If no growth typical of Salmonella is noted, the plates shall be incubated an additional 18–24 hours and again examined.

(e) If suspicious colonies are observed, further subculture on suitable

media shall be made for positive identification. If Salmonella is found, the bulk suspension is unsatisfactory.

[38 FR 29888, Oct. 30, 1973]

§ 113.31 Detection of avian lymphoid leukosis.

The complement-fixation test for detection of avian lymphoid leukosis provided in this section shall be conducted on all biological products containing virus which has been propagated in substrates of chicken origin: *Provided*, An inactivated viral product shall be exempt from this requirement if the licensee can demonstrate to Animal and Plant Health Inspection Service that the agent used to inactivate the vaccine virus would also inactivate lymphoid leukosis virus.

(a) Propagation of contaminating lymphoid leukosis viruses, if present, shall be done in chick embryo cell cultures.

(1) Each vaccine virus, cytopathic to chick embryo fibroblast cells, shall be effectively neutralized, inactivated, or separated so that minimal amounts of lymphoid leukosis virus can be propagated on cell culture during the 21-day growth period. If a vaccine virus cannot be effectively neutralized, inactivated, or separated, a sample of another vaccine prepared the same week from material harvested from each source flock (or other sampling procedure acceptable to Animal and Plant Health Inspection Service) used for the preparation of the questionable vaccine virus that cannot be neutralized, inactivated, or separated shall be tested each week during the preparation of such questionable vaccine.

(2) When cell cultures are tested, 5 ml of the final cell suspension as prepared for seeding of production cell cultures shall be used as inoculum. When vaccines are tested, the equivalent of 200 doses of Newcastle disease vaccine or 500 doses of other vaccines for use in poultry, or one dose of vaccine for use in other animals shall be used as inoculum. Control cultures shall be prepared from the same cell suspension as the cultures for testing the vaccine.

(3) Uninoculated chick embryo fibroblast cell cultures shall act as negative controls. One set of chick fibroblast cultures inoculated with subgroup A virus and another set inoculated with subgroup B virus shall act as positive controls, A and B respectively.

(4) The cell cultures shall be propagated at 35–37° C for at least 21 days. They shall be passed when necessary to maintain viability and samples harvested from each passage shall be tested for group specific antigen.

(b) The microtiter complement-fixation test shall be performed using either the 50 percent or the 100 percent hemolytic end point technique to determine complement unitage. Five 50 percent hemolytic units or two 100 percent hemolytic units of complement shall be used for each test.

(1) All test materials, including positive and negative controls, shall be stored at −60° C or colder until used in the test. Before use, each sample shall be thawed and frozen three times to disrupt intact cells and release the group specific antigen.

(2) The antiserum used in the microtiter complement-fixation test shall be a standard reagent supplied or approved by the Animal and Plant Health Inspection Service. Four units of antiserum shall be used for each test.

(3) Presence of complement-fixing activity in the harvested samples (from passages) at the 1:4 or higher dilution, in the absence of anticomplementary activity, shall be considered a positive test unless the activity can definitely be established to be caused by something other than lymphoid leukosis virus, subgroups A and/or B. Activity at the 1:2 dilution shall be considered suspicious and the sample further subcultured to determine presence or absence of the group specific antigen.

(4) Biological products or primary cells which are found contaminated with lymphoid leukosis viruses are unsatisfactory. Source flocks from which contaminated material was obtained are also unsatisfactory.

[38 FR 29888, Oct. 30, 1973, as amended at 38 FR 32917, Nov. 29, 1973; 39 FR 21042, June 18, 1974; 56 FR 66784, Dec. 26, 1991]

§ 113.32 Detection of Brucella contamination.

The test for detection of Brucella contamination provided in this section shall be conducted when such a test is

prescribed in an applicable Standard Requirement or in a filed Outline of Production for the product.

(a) One ml of the minced tissue used as the source of cells or 1 ml of the extract of the tissue prior to the addition of antibiotics, diluent and stabilizer, shall be inoculated onto each of three tryptose agar plates and incubated in a 10 percent CO_2 atmosphere at a temperature of 35–37° C for at least 7 days.

(b) If colonies are identified as Brucella, the biological product is unsatisfactory.

(c) If colonies suspicious of Brucella are observed but cannot be identified as a Brucella species, either

(1) The biological product shall be regarded as unsatisfactory and destroyed; or

(2) Further subculture or other procedures shall be carried out until a positive identification can be made.

[38 FR 29888, Oct. 30, 1973]

§ 113.33 Mouse safety tests.

One of the mouse safety tests provided in this section shall be conducted when such test is prescribed in a Standard Requirement or in the filed Outline of Production for a biological product recommended for animals other than poultry: *Provided,* That if the inherent nature of one or more ingredients makes the biological product lethal or toxic for mice but not lethal or toxic for the animals for which it is recommended, the licensee shall demonstrate the safety of such product by an acceptable test written into such Outline of Production.

(a) Final container samples of completed product from live virus vaccines shall be tested for safety using young adult mice in accordance with the test provided in this paragraph.

(1) Vaccine, prepared for use as recommended on the label, shall be tested. Eight mice shall be inoculated intracerebrally with 0.03 ml and eight mice shall be inoculated intraperitoneally with 0.5 ml. Both groups shall be observed for 7 days.

(2) If unfavorable reactions attributable to the product occur in two or more mice in either group during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur in two or more mice in either group, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

(b) Bulk or final container samples of completed product from liquid products, such as but not limited to antiserums and bacterins, shall be tested for safety in accordance with the test provided in this paragraph.

(1) Unless otherwise prescribed in the Standard Requirement or approved in a filed Outline of Production for the product, a 0.5 ml dose shall be injected intraperitoneally or subcutaneously into eight mice and the animals observed for 7 days.

(2) If unfavorable reactions attributable to the product occur in any of the mice during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

[38 FR 34727, Dec. 18, 1973, as amended at 39 FR 16857, May 10, 1974]

§ 113.34 Detection of hemagglutinating viruses.

The test for detection of hemagglutinating viruses provided in this section shall be conducted when such a test is prescribed in an applicable Standard Requirement or in the filed Outline of Production for the product.

(a) Final container samples of completed product rehydrated as recommended on the label shall be used as inoculum: *Provided,* That poultry vaccines distributed without diluent shall be rehydrated with 30 ml of sterile distilled water per 1,000 doses and used as inoculum. When one or more fractions are to be used in combination with Newcastle Disease Vaccine, test samples shall be collected from bulk suspensions of each prior to mixing with the Newcastle Disease Vaccine.

(b) Each of ten 9- to 10-day-old embryonating eggs from Newcastle disease susceptible flocks shall be inoculated into the allantoic cavity with 0.2 ml of the undiluted inoculum.

(1) Test five uninoculated embryos of the same age and from the same flock as those used for the test as negative controls.

(2) Test an allantoic fluid sample of Newcastle disease virus as a positive control.

(c) Three to five days post-inoculation, a sample of allantoic fluid from each egg shall be tested separately by a rapid plate test for hemagglutinating activity using a 0.5 percent suspension of fresh chicken red blood cells.

(d) If the results are inconclusive, one or two blind passages shall be made using fluids from each of the original test eggs. Fluids from dead and live embryos may be pooled separately for inoculum in these passages.

(e) If hemagglutinating activity attributable to the product is observed, the serial is unsatisfactory.

[38 FR 29889, Oct. 30, 1973]

§ 113.35 Detection of viricidal activity.

The test for detection of viricidal activity provided in this section shall be conducted when such a test is prescribed in an applicable standard requirement or in the filed Outline of Production for each inactivated liquid biological product used as diluent for a desiccated live virus vaccine in a combination package.

(a) Bulk or final container samples of completed product from each serial shall be tested.

(b) The product shall be tested with each virus fraction for which it is to be used as a diluent. If the vaccine to be rehydrated contains more than one virus fraction, the test shall be conducted with each fraction after neutralization of the other fraction(s), and/or dilution of the vaccine beyond the titer range of the other fraction(s), or the test shall be conducted using representative single-fraction desiccated vaccines which are prepared by the licensee and which are licensed. *Provided,* That the Administrator may authorize licensees to prepare and use unlicensed single-fraction vaccines for this purpose.

(c) Test procedure: (1) Rehydrate at least two vials of the vaccine with the liquid product under test according to label recommendations and pool the contents.

(2) Rehydrate at least two vials of the vaccine with the same volume of sterile purified water and pool the contents.

(3) Neutralize to remove other fractions, if necessary.

(4) Hold the two pools of vaccine at room temperature (20° to 25° C) for 2 hours. The holding period shall begin when rehydration is completed.

(5) Titrate the virus(es) in each pool of vaccine as provided in the filed Outline of Production or an applicable standard requirement.

(6) Compare respective titers.

(d) If the titer of the vaccine virus(es) rehydrated with the product under test is more than 0.7 $\log_{10}$ below the titer of the vaccine virus(es) rehydrated with sterile purified water, the product is unsatisfactory for use as diluent.

(e) If the product is unsatisfactory in the first test, one retest to rule out faulty techniques may be conducted using four vials of the vaccine for each pool and the acceptability of the product judged by the results of the second test.

(f) Liquid products found to be unsatisfactory for use as diluent by this test are not prohibited from release as separate licensed products if labeled as prescribed in § 112.7(g).

[44 FR 25412, May 1, 1979, as amended at 56 FR 66784, Dec. 26, 1991; 64 FR 43044, Aug. 9, 1999]

§ 113.36 Detection of pathogens by the chicken inoculation test.

The test for detection of extraneous pathogens provided in this section shall be conducted when such a test is prescribed in an applicable Standard Requirement or in the filed Outline of Production for the product.

(a) The biological product to be tested shall be prepared for use as recommended on the label, or in the case of desiccated vaccine to be used in poultry, rehydrated with sterile distilled water at the rate of 30 ml per 1,000 doses.

(b) At least 25 healthy susceptible young chickens, properly identified and

obtained from the same source and hatch, shall be immunized at least 14 days prior to being put on test. The immunizing agent shall be the same as the product to be tested but from a serial previously tested and found satisfactory.

(c) At least 20 of the previously immunized birds shall be inoculated with 10 label doses of the vaccine being tested by each of the following routes: Subcutaneous, intratracheal, eye-drop, and comb scarification (1 cm^2). Twenty birds may be used for each route or combination of routes.

(d) At least five birds shall be isolated as control birds.

(e) All birds shall be observed for 21 days for signs of septicemic diseases, respiratory diseases, or other pathologic conditions.

(f) If the controls remain healthy and unfavorable reactions attributable to the product occur in the vaccinates, the serial or subserial tested is unsatisfactory. If the controls do not remain healthy or if unfavorable reactions not attributable to the product occur in the vaccinates, or both, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial of subserial tested shall be considered unsatisfactory.

[38 FR 29889, Oct. 30, 1973, as amended at 39 FR 21042, June 18, 1974; 43 FR 7610, Feb. 24, 1978]

§ 113.37 Detection of pathogens by the chicken embryo inoculation test.

The test for detection of extraneous pathogens provided in this section shall be conducted when such a test is prescribed in an applicable Standard Requirement or in the filed Outline of Production for the product.

(a) The biological product to be tested shall be prepared for use as recommended on the label, or in the case of desiccated vaccine to be used in poultry, rehydrated with sterile distilled water at the rate of 30 ml per 1,000 doses.

(b) One volume of the prepared vaccine shall be mixed with up to nine volumes of sterile heat-inactivated specific antiserum to neutralize the vaccine virus in the product. Each lot of antiserum shall be demonstrated by virus neutralization tests not to inhibit other viruses known to be possible contaminants.

(c) After neutralization, 0.2 ml of the vaccine-serum mixture shall be inoculated into each of at least 20 fully susceptible chicken embryos.

(1) Twenty embryos, 9 to 11 days old, shall be inoculated on the chorioallantoic membrane (CAM) with 0.1 ml, and in the allantoic sac with 0.1 ml.

(2) Eggs shall be candled daily for 7 days. Deaths occurring during the first 24 hours shall be disregarded but at least 18 viable embryos shall survive 24 hours post-inoculation for a valid test. Examine all embryos and CAM's from embryos which die after the first day. When necessary, embryo subcultures shall be made to determine the cause of a death. The test shall be concluded on the seventh day post-inoculation and the surviving embryos (including CAM's) examined.

(d) If death and/or abnormality attributable to the inoculum occur, the serial is unsatisfactory: *Provided,* That, if there is a vaccine virus override, the test may be repeated, using a higher titered antiserum.

[38 FR 29889, Oct. 30, 1973, as amended at 39 FR 21042, June 18, 1974]

§ 113.38 Guinea pig safety test.

The guinea pig safety test provided in this section shall be conducted when prescribed in a Standard Requirement or approved Outline of Production for a biological product. When desiccated products are tested, final container samples of completed product prepared for administration in the manner recommended on the label shall be used. When liquid products are tested, either bulk or final container samples of completed product shall be used.

(a) Unless otherwise specified in the Standard Requirement or approved Outline of Production for the product, a 2 ml dose shall be injected either intramuscularly or subcutaneously into each of two guinea pigs and the animals observed for 7 days.

(b) If unfavorable reactions attributable to the product occur in either of the guinea pigs during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions

which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

[39 FR 16857, May 10, 1974; 39 FR 20368, June 10, 1974]

§ 113.39 Cat safety tests.

The safety tests provided in this section shall be conducted when prescribed in a standard requirement or in the filed Outline of Production for a biological product recommended for use in cats.

(a) The cat safety test provided in this paragraph shall be used when the Master Seed Virus is tested for safety.

(1) The test animals shall be determined to be susceptible to the virus under test as follows:

(i) Throat swabs shall be collected from each cat and individually tested on susceptible cell cultures for the presence of the virus. Blood samples shall also be drawn and individual serum samples tested for antibody to the virus.

(ii) The cats shall be considered susceptible if swabs are negative for virus isolation and the serums are free of virus antibody at the 1:2 final dilution in a 50 percent plaque reduction test or other serum-neutralization test of equal sensitivity.

(iii) When determining susceptibility to a virus which does not lend itself to the methods in paragraphs (a)(1)(i) and (ii) of this section, a method acceptable to Animal and Plant Health Inspection Service shall be used.

(2) Each of at least 10 susceptible cats shall be administered a sample of the Master Seed Virus equivalent to the amount of virus to be used in one cat dose of the vaccine, by the method to be recommended on the label, and the cats observed each day for 14 days.

(3) If unfavorable reactions attributable to the virus occur in any of the cats during the observation period, the Master Seed Virus is unsatisfactory. If unfavorable reactions occur which are not attributable to the Master Seed Virus, the test shall be declared inconclusive and repeated: *Provided,* That, if not repeated, the Master Seed Virus shall be unsatisfactory.

(b) The cat safety test provided in this paragraph shall be used when a serial of vaccine is tested for safety before release.

(1) Each of two healthy cats shall be administered 10 cat doses by the method recommended on the label and the cats observed each day for 14 days.

(2) If unfavorable reactions attributable to the biological product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated: *Provided,* That, if not repeated, the serial shall be unsatisfactory.

[44 FR 58898, Oct. 12, 1979, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.40 Dog safety tests.

The safety tests provided in this section shall be conducted when prescribed in a Standard Requirement or in the filed Outline of Production for a biological product recommended for use in dogs. Serials which are not found to be satisfactory when tested pursuant to the procedures in this section may not be released for shipment.

(a) The dog safety test provided in this paragraph shall be used when the Master Seed Virus is tested for safety.

(1) The test animals shall be determined to be susceptible to the virus under test by a method acceptable to the Animal and Plant Health Inspection Service.

(2) Each of at least 10 susceptible dogs shall be administered a sample of the Master Seed Virus equivalent to the amount of virus to be used in one dog dose of the vaccine, by the method recommended on the label, and the dog shall be observed each day for 14 days.

(3) If unfavorable reactions attributable to the virus occur in any of the dogs during the observation period, the Master Seed Virus is unsatisfactory. If unfavorable reactions occur which are not attributable to the Master Seed Virus, the test shall be declared inconclusive and may be repeated: *Provided:* That, if the test is not repeated, the Master Seed Virus shall be considered unsatisfactory.

(b) The dog safety test provided in this paragraph shall be used when a serial of vaccine is tested for safety before release.

(1) Each of two healthy dogs shall be administered 10 dog doses by the method recommended on the label and the dogs shall be observed each day for 14 days.

(2) If unfavorable reactions attributable to the biological product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the biological product, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial shall be considered unsatisfactory.

[60 FR 14358, Mar. 17, 1995]

§ 113.41 Calf safety test.

The calf safety test provided in this section shall be conducted when prescribed in a Standard Requirement or in the filed Outline of Production for a product.

(a) *Test procedure.* Each of two calves shall be injected with the equivalent of 10 doses of vaccine administered in the manner recommended on the label and observed each day for 21 days.

(b) *Interpretation.* If unfavorable reactions attributable to the product occur in either of the calves during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

[39 FR 27428, July 29, 1974]

§ 113.42 Detection of lymphocytic choriomeningitis contamination.

The test for detection of lymphocytic choriomeningitis (LCM) virus provided in this section shall be conducted when such a test is prescribed in an applicable Standard Requirement or in a filed Outline of Production. Vaccine virus may be neutralized with specific antiserum when necessary.

(a) Each of at least 10 mice obtained from a source free of LCM shall be injected in the footpad of a hindfoot with 0.02 ml of the material being tested and observed each day for 21 days.

(b) If any of the mice show swelling in the injected footpad or if more than one becomes systemically abnormal, the material being tested is unsatisfactory.

[42 FR 6794, Feb. 4, 1977]

§ 113.43 Detection of chlamydial agents.

The test for chlamydial agents provided in this section shall be conducted when such a test is prescribed in an applicable standard requirement or in a filed Outline of Production.

(a) The yolk sac of 6-day-old chicken embryos shall be injected. Three groups of 10 embryos shall be used sequentially.

(1) The inoculum for each embryo in the first group shall consist of 0.5 ml of a mixture of equal parts of the seed virus with phosphate buffered saline that may contain Streptomycin, Vancomycin, Kanamycin, or a combination thereof. Not more than 2 mg/ml of each antibiotic shall be used.

(2) On the 10th day postinoculation, the yolk sac of viable embryos shall be harvested, pooled, homogenized as a 20 percent suspension in phosphate buffered saline antibiotic diluent, and 0.5 ml of the mixture injected into the second group of chicken embryos. This process shall be repeated for the injection of the third group of embryos using the yolk sacs of viable embryos from the second group.

(3) For each of the three passages, embryo deaths occurring within 48 hours of injection shall be disregarded, except that if more than three such deaths occur at any passage, that passage shall be repeated.

(b) If one or more embryo deaths occur at any passage after 48 hours postinjection, the yolk sacs from each of the dead embryos shall be subcultured into 10 additional embryos. If one or more embryo deaths again occur due to chlamydial agents, the Master Seed Virus is unsatisfactory for use to produce vaccine.

[44 FR 58899, Oct. 12, 1979]

§ 113.44 Swine safety test.

The swine safety test provided in this section shall be conducted when prescribed in a Standard Requirement or in the filed Outline of Production for a product.

(a) *Test procedure.* (1) Inject each of two swine of the minimum age for which the product is recommended with the equivalent of two doses of bacterial vaccine or 10 doses of viral vaccine.

(2) Administer vaccine in the manner recommended on the label.

(3) Observe swine each day for 21 days.

(b) *Interpretation.* If unfavorable reactions attributable to the product occur in either of the swine during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated; *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

[48 FR 33476, July 22, 1983]

§ 113.45 Sheep safety test.

The sheep safety test provided in this section shall be conducted when prescribed in a Standard Requirement or in the filed Outline of Production for a product.

(a) *Test procedure.* (1) Inject each of two sheep of the minimum age for which the product is recommended with the equivalent of two doses of bacterial vaccine or 10 doses of viral vaccine.

(2) Administer vaccine in the manner recommended on the label.

(3) Observe sheep each day for 21 days.

(b) *Interpretation.* If unfavorable reactions attributable to the product occur in either of the sheep during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated; *Provided,* That, if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

[48 FR 33476, July 22, 1983]

§ 113.46 Detection of cytopathogenic and/or hemadsorbing agents.

The tests for detection of cytopathogenic and/or hemadsorbing agents provided in this section shall be conducted when prescribed in an applicable Standard Requirement or in the filed Outline of Production for a product.

(a) *Test for cytopathogenic agents.* One or more monolayers that are at least 6 cm^2 and at least 7 days from the last subculture shall be tested as provided in this paragraph.

(1) Stain each monolayer with a suitable cytological stain.

(2) Examine the entire area of each stained monolayer for evidence of inclusion bodies, abnormal number of giant cells, or other cytopathology indicative of cell abnormalities attributable to an extraneous agent.

(b) *Test for hemadsorbing agents.* One or more monolayers that are at least 6 cm^2 and at least 7 days from the last subculture shall be tested as provided in this paragraph.

(1) Wash the monolayer with several changes of phosphate buffered saline.

(2) Add an appropriate volume of a 0.2 percent red blood cell suspension to uniformly cover the surface of the monolayer of cultured cells. Suspensions of washed guinea pig and chicken red blood cells shall be used. These suspensions may be mixed before addition to the monolayer or they may be added separately to individual monolayers.

(3) Incubate the monolayer at 4° C for 30 minutes, wash with phosphate buffered saline, and examine for hemadsorption.

(4) If no hemadsorption is apparent, repeat step (b)(2) of this section and incubate the monolayers at 20–25 ° C for 30 minutes, wash with phosphate buffered saline, and examine again for hemadsorption. If desired, separate monolayers may be used for each incubation temperature.

(c) If specific cytopathology or hemadsorption attributable to an extraneous agent is found, the material under test is unsatisfactory and shall not be used to prepare biological products. If an extraneous agent is suspected because of cytopathology or hemadsorption and cannot be eliminated as a possibility by additional

testing, the material under test is unsatisfactory.

[50 FR 441, Jan. 4, 1985, as amended at 58 FR 50252, Sept. 27, 1993]

§ 113.47 Detection of extraneous viruses by the fluorescent antibody technique.

The test for detection of extraneous viruses by the fluorescent antibody technique provided in this section shall be conducted when prescribed in an applicable Standard Requirement or in a filed Outline of Production for a product.

(a) Monolayer cultures of cells (monolayers), at least 7 days after the last subculturing, shall be processed and stained with the appropriate antiviral fluorochrome-conjugated antibody as specified in paragraph (b) of this section.

(1) Three groups of one or more monolayers shall be required for each specific virus prescribed in paragraph (b) of this section.

(i) At the time of the last subculturing, one group of test monolayers shall be inoculated with approximately 100–300 $FAID_{50}$ of the specific virus being tested for as positive controls.

(ii) One group of monolayers shall be the ''material under test.''

(iii) One group of monolayers, that are of the same type of cells as the test monolayers and that have been tested as prescribed in §§ 113.51 or 113.52 (whichever is applicable), shall be prepared as negative controls.

(2) Each group of monolayers shall have a total area of at least 6 cm^2.

(3) Positive control monolayers may be fixed (processed so as to arrest growth and assure attachment of the monolayer to the surface of the vessel in which they are grown) before 7 days after subculturing if fluorescence is enhanced by doing so, *Provided,* That a monolayer of the material under test is also fixed at the same time as the positive control and a monolayer of the material under test is also fixed at least seven days after subculturing. Monolayers that are fixed before 7 days after subculturing shall be stained at the same time as the test monolayers and negative controls fixed at least 7 days after subculturing.

(b) The antiviral fluorochrome-conjugated antibodies to be used shall depend on the type of cells required to be tested for extraneous viruses as specified in an applicable Standard Requirement or in a filed Outline of Production. Antiviral fluorochrome-conjugated antibodies specific for the extraneous viruses shall be applied to each respective type of cell in accordance with the following list. Under certain circumstances, additional tests may need to be conducted, as determined by the Administrator. When a specific antiviral fluorochrome-conjugated antibody is used in testing for the listed extraneous viruses specified in more than one cell type, it need only be applied to the most susceptible cell type.

(1) All cells shall be tested for:

(i) Bovine virus diarrhea virus;

(ii) Reovirus; and

(iii) Rabies virus.

(2) Bovine, caprine, and ovine cells shall, in addition, be tested for:

(i) Bluetongue virus;

(ii) Bovine adenoviruses;

(iii) Bovine parvovirus; and

(iv) Bovine respiratory syncytial virus.

(3) Canine cells shall, in addition, be tested for:

(i) Canine coronavirus;

(ii) Canine distemper virus; and

(iii) Canine parvovirus.

(4) Equine cells shall, in addition, be tested for:

(i) Equine herpesvirus; and

(ii) Equine viral arteritis virus.

(5) Feline cells shall, in addition, be tested for:

(i) Feline infectious peritonitis virus; and

(ii) Feline panleukopenia virus.

(6) Porcine cells shall, in addition, be tested for:

(i) Porcine adenovirus;

(ii) Porcine parvovirus;

(iii) transmissible gastroenteritis virus; and

(iv) Porcine hemagglutinating encephalitis virus.

(7) Firms that do not have rabies virus on premises either for research or production purposes are exempt from having to produce positive rabies virus control monolayers. Fixed positive rabies virus control monolayers will be

provided by the National Veterinary Services Laboratories.

(c) After staining, each group of monolayers shall be examined for the presence of specific fluorescence attributable to the presence of extraneous viruses.

(1) If the material under test shows any evidence of specific viral fluorescence, it is unsatisfactory and may not be used; *Provided,* That, if specific fluorescence attributable to the virus being tested for is absent in the positive control monolayers, the test is inconclusive and may be repeated.

(2) If the fluorescence of the monolayers inoculated with the specific virus as positive controls is equivocal, or if the negative monolayers show equivocal fluorescence indicating possible viral contamination, or both, the test shall be declared inconclusive, and may be repeated; *Provided,* That, if the test is not repeated, the material under test shall be regarded as unsatisfactory for use in the production of biologics.

[60 FR 24548, May 9, 1995]

INGREDIENT REQUIREMENTS

§ 113.50 Ingredients of biological products.

All ingredients used in a licensed biological product shall meet accepted standards of purity and quality; shall be sufficiently nontoxic so that the amount present in the recommended dose of the product shall not be toxic to the recipient; and in the combinations used shall not denature the specific substances in the product below the minimum acceptable potency within the dating period when stored at the recommended temperature.

[38 FR 29889, Oct. 30, 1973]

§ 113.51 Requirements for primary cells used for production of biologics.

Primary cells used to prepare biological products shall be derived from normal tissue of healthy animals. When prescribed in an applicable Standard Requirement or in the filed Outline of Production, each batch of primary cells used to prepare a biological product shall be tested as prescribed in this section. A batch of primary cells found unsatisfactory by any prescribed test shall not be used. A serial of biological product shall not be released if produced from primary cells that are found unsatisfactory by any prescribed test.

(a) Final container samples of completed product or samples of the final pool of harvested material or samples of each subculture of cells used to prepare the biological product shall be shown free of mycoplasma as prescribed in § 113.28. The sample for testing shall consist of at least 75 cm^2 of actively growing cells or the equivalent in harvest fluids; *Provided,* That all sources of cells in the batch of primary cells are represented.

(b) Final container samples of completed product or samples of the final pool of harvested material or samples of each subculture of cells used to prepare the biological product shall be shown free of bacteria and fungi as prescribed in § 113.26 or § 113.27 (whichever is applicable).

(c) A monolayer at least 75 cm^2 from each batch of primary cells or each subculture of primary cells used to prepare a biological product shall be shown free of extraneous agents as prescribed in this paragraph.

(1) The test monolayer shall be maintained using the medium (with additives) and under conditions similar to those used to prepare biological products.

(i) Monolayers of avian origin shall be maintained for at least 14 days and shall be subcultured at least once during the maintenance period. All but the last subculture shall result in a new monolayer of at least 75 cm^2. The last subculture shall meet the minimum area requirement specified in §§ 113.46 and 113.47.

(ii) Monolayers not of avian origin shall be maintained for at least 28 days and shall be subcultured at least twice during the maintenance period. All but the last subculture shall result in a new monolayer of at least 75 cm^2. The last subculture shall meet the minimum area requirement specified in §§ 113.46 and 113.47.

(2) Monolayers shall be examined regularly throughout the required maintenance period for evidence of the presence of cytopathogenic agents. If evidence of a cytopathogenic agent is found, the batch of primary cells is unsatisfactory.

(3) At the conclusion of the required maintenance period, monolayers shall be tested for:

(i) Cytopathogenic and/or hemadsorbing agents as prescribed in §113.46;

(ii) Extraneous viruses by the fluorescent antibody technique as prescribed in §113.47.

[50 FR 442, Jan. 4, 1985, as amended at 60 FR 24549, May 9, 1995]

§113.52 Requirements for cell lines used for production of biologics.

When prescribed in an applicable Standard Requirement or in a filed Outline of Production each cell line used to prepare a biological product shall be tested as prescribed in this section. A cell line found unsatisfactory by any prescribed test shall not be used. A serial of biological product shall not be released if produced from a cell line that is found unsatisfactory by any prescribed test.

(a) *General requirements.* (1) A complete record of the cell line shall be kept, such as, but not limited to, the source, passage history, and medium used for propagation.

(2) A Master Cell Stock (MCS) shall be established at a specified passage level for each cell line. The passage level and identity of the MCS and the highest passage level (MCS + n) intended for use in the preparation of a biological product shall be specified in the Outline of Production for the product.

(3) Sufficient 1.0 ml or larger aliquots of MCS and MCS + n shall be prepared, kept in a frozen state, and made available to Animal and Plant Health Inspection Service (APHIS) upon request for performing the tests prescribed in this section.

(4) Each lot of cells shall be monitored for the characteristics determined to be normal for the cell line, such as, but not limited to, microscopic appearance, growth rate, acid production, or other observable features.

(b) The MCS shall be shown to be of the same species of origin as that reported in paragraph (a)(1) of this section by the following method:

(1) At least four monolayers with a total area of at least 6 cm^2 shall be grown to at least 80 percent confluency.

(2) The monolayers shall be removed from their media, processed, stained, and examined.

(i) At least two monolayers shall be stained with an antispecies fluorchrome-conjugated antibody unrelated to the species of origin of the MCS.

(ii) At least two monolayers shall be stained with an antispecies fluorochrome-conjugated antibody specific to the species of origin of the MCS.

(iii) All monolayers shall be examined for evidence of specific fluorescence.

(3) If specific fluorescence is not found in the monolayers stained with the conjugate specific to the species of origin of the MCS, the cell line is unsatisfactory and shall not be used for vaccine production.

(4) If nonspecific fluorescence is found in the monolayers stained with conjugate from an unrelated species of origin or other results make the test results equivocal, the procedure shall be repeated until either specific fluorescence is found only in the monolayers stained with conjugate specific to the species of origin of the MCS and not in the control monolayers or specific fluorescence cannot be identified and the MCS is declared unsatisfactory.

(5) Alternate tests to determine the species of origin of the MCS may be used if approved by APHIS.

(c) The MCS and either each subculture of cells used to prepare a biological product or the final pool of harvested material (with or without the stabilizer) or final container samples of completed product for each serial of such product shall be shown to be free of mycoplasma as prescribed in §113.28. The sample for testing shall consist of at least 75 cm^2 of actively growing cells or the equivalent, in harvest fluids.

The cells shall represent all sources of cells in the batch.

(d) The MCS and either each subculture used to prepare a biological product or the final pool of harvested material for each serial of such product or final container samples of completed product for each serial of such product shall be tested for bacteria and fungi as prescribed in § 113.26 or § 113.27 (whichever is applicable). If bacteria or fungi are found in the MCS, the MCS shall not be used. If bacteria or fungi are found in a subculture, the subculture shall not be used.

(e) A monolayer at least 75 cm^2 from each MCS shall be shown free of extraneous agents as prescribed in this paragraph.

(1) The test monolayer shall be maintained for at least 21 days using the medium (with additives) intended for growth and maintenance and under conditions similar to those used to prepare biological products.

(2) Cells shall be subcultured at least two times during the maintenance period. All but the last subculture shall result in at least one new monolayer of at least 75 cm^2. The last subculture shall meet the minimum area requirement specified in §§ 113.46 and 113.47 and paragraph (f) of this section.

(3) Monolayers shall be examined regularly throughout the 21-day maintenance period for evidence of the presence of cytopathogenic agents. If evidence of a cytopathogenic agent is found, the MCS is unsatisfactory.

(4) At the conclusion of the 21-day maintenance period, monolayers shall be tested for:

(i) Cytopathogenic and/or hemadsorbing agents as prescribed in § 113.46; and

(ii) Extraneous agents by the fluorescent antibody technique as prescribed in § 113.47.

(f) At the conclusion of the 21-day maintenance period provided in paragraph (e) of this section, at least one monolayer of at least 75 cm^2 shall also be shown free of extraneous agents as prescribed in this paragraph.

(1) Alternately freeze and thaw the monolayer(s) three times. Centrifuge the disrupted cells at no greater than 2,000 x g for no more than 15 minutes to remove cellular debris. Divide the supernatant into equal aliquots and dispense 1.0 ml onto each of at least one monolayer (at least 75 cm^2) of:

(i) Vero (African green monkey kidney) cell line;

(ii) Embryonic cells, neonatal cells, or a cell line of the same species of origin as the MCS if different than provided in paragraph (f)(1)(i) of this section;

(iii) Embryonic cells, neonatal cells, or a cell line of the species for which the vaccine is recommended if different than provided in paragraph (f)(1)(ii) of this section; and

(iv) Embryonic cells, neonatal cells, or a cell line of bovine origin if not specified in paragraphs (f)(1)(ii), and (iii) of this section.

(2) The monolayers of cells specified in paragraphs (f)(1)(i), (ii), (iii), and (iv) of this section shall be maintained for at least 14 days after inoculation with the aliquot of disrupted MCS. Monolayers shall be subcultured at least once during the maintenance period. All but the last subculture shall result in a new monolayer of at least 75 cm^2. The last subculture shall meet the minimum area requirement specified in §§ 113.46 and 113.47.

(3) Monolayers shall be examined regularly throughout the 14-day maintenance period for evidence of the presence of cytopathogenic agents. If evidence of a cytopathogenic agent is found, the MCS is unsatisfactory.

(4) At the conclusion of the 14-day maintenance period, monolayers shall be tested for:

(i) Cytopathogenic and/or hemadsorbing agents as prescribed in § 113.46; and

(ii) Extraneous viruses by the fluorescent antibody technique as prescribed in § 113.47.

(g) The karyology of cells lines used in the production of biologics shall be examined as follows. A minimum of 50 mitotic cells shall be examined at both the MCS and MCS+n. The modal number in the MCS+n shall not exceed plus or minus 15 percent of the modal number of the MCS. Any marker chromosomes present in the MCS shall persist at the MCS+n. If the modal number exceeds the limits and/or the marker chromosomes do not persist (through the MCS+n passage level), the

cell line shall not be used for vaccine production.

(h) If direct or indirect evidence exists that a cell line which is intended for use in the preparation of a vaccine may induce malignancies in the species for which the product is intended, that cell line shall be tested for tumorigenicity/oncogenicity by a method acceptable to APHIS.

[50 FR 442, Jan. 4, 1985; 50 FR 3316, Jan. 24, 1985, as amended at 56 FR 66784, Dec. 26, 1991; 60 FR 24549, May 9, 1995]

§ 113.53 Requirements for ingredients of animal origin used for production of biologics.

Each lot of ingredient of animal origin which is not subjected to heat sterilization or other sterilization methods acceptable to Animal and Plant Health Inspection Service (APHIS), such as, but not limited to serum and albumin, used to prepare a biological product shall be tested as prescribed in this section by the licensee or a laboratory acceptable to VS. Results of all tests shall be recorded by the testing laboratory and made a part of the licensee's records. A lot of ingredient found unsatisfactory by any prescribed test shall not be used to prepare a biological product. A serial of biological product shall not be released if produced using an ingredient that is found unsatisfactory by any prescribed test.

(a) Samples of each lot of ingredient of animal origin which is not subjected to heat sterilization, used to prepare a biological product shall be shown free of mycoplasma by the method prescribed in § 113.28.

(b) Samples of each lot of ingredient or animal origin which is not subjected to heat sterilization of other sterilization methods acceptable to APHIS used to prepare a biological product shall be shown free of bacteria and fungi as prescribed in § 113.26.

(c) Samples of each lot of ingredient of animal origin, except porcine trypsin, which is not subjected to heat sterilization or other viricidal procedure acceptable to APHIS used in the preparation of biological products shall be tested as prescribed in this paragraph;

(1) Monolayers at least 75 cm^2 of Vero (African green monkey kidney) cell line and of primary cells or a cell line of the same species of origin as the ingredient shall be used in the test. Cell lines used shall have been found satisfactory when tested as prescribed in § 113.52 and primary cells used shall have been found satisfactory when tested as prescribed in § 113.51.

(2) At least 3.75 ml or 15 percent of the ingredient shall be used in the growth medium for the preparation of at least 75 cm^2 test monolayers. The ingredient shall also be used in the growth medium when monolayers are subcultured. If the ingredient being tested is cytotoxic when tested in this manner, other procedures may be used if approved by APHIS.

(3) The test monolayers shall be maintained for at least 21 days.

(4) Cells shall be subcultured at least two times during the maintenance period. All but the last subculture shall result in at least one new monolayer of at least 75 cm^2. The last subculture shall meet the minimum area requirements specified in §§ 113.46 and 113.47.

(5) Monolayers shall be examined regularly throughout the 21-day maintenance period for evidence of cytopathogenic agents. If evidence of a cytopathogenic agent is found, the ingredient is unsatisfactory.

(6) At the conclusion of the 21-day maintenance period, monolayers shall be tested for:

(i) Cytopathogenic and/or hemadsorbing agents as prescribed in § 113.46; and

(ii) Extraneous viruses by the fluorescent antibody technique as prescribed in § 113.47.

(d) Each lot of porcine trypsin which has not been treated to inactivate porcine parvovirus (PPV) in a manner acceptable to VS shall be tested for PPV as prescribed in this paragraph.

(1) Not less than 5.0 grams of trypsin shall be dissolved in a volume of suitable diluent sufficient to fill a centrifuge angle head. After centrifuging for 1 hour at 80,000 x g, the pellet material shall be reconstituted in distilled water and inoculated into a flask containing 75 cm^2 of a 30 to 50 percent confluent monolayer culture of primary porcine cells or a porcine cell line of proven equal PPV susceptibility. An

additional flask of cells shall be held as a negative control.

(2) The test and control monolayers shall be maintained for at least 14 days and subcultured at least once during the maintenance period.

(3) At the end of the 14-day maintenance period, and 4 to 7 days after the last subculturing, monolayers shall be tested for the presence of porcine parvovirus by the fluorescent antibody technique as prescribed in § 113.47(c).

(e) A sample of serum from each donor horse used to produce a lot of equine serum used in the preparation of biological products recommended for use in horses shall be tested at a laboratory approved by Animal and Plant Health Inspection Service using the Coggins test for equine infectious anemia antibodies. If antibodies to equine infectious anemia are found, the lot of serum is unsatisfactory.

[50 FR 442, Jan. 4, 1985; 50 FR 3316, Jan. 24, 1985, as amended at 56 FR 66784, Dec. 26, 1991; 60 FR 24549, May 9, 1995]

§ 113.54 Sterile diluent.

Sterile Diluent shall be supplied in a final container by the licensee when such diluent is required for rehydration or dilution of the vaccine.

(a) Sterile Diluent may be distilled or deionized water or it may be a special liquid solution formulated in accordance with an acceptable outline on file with Animal and Plant Health Inspection Service.

(b) Each quantity prepared at one time in a single container and bottled into final containers shall be designated as a serial. Each serial shall be given a number which shall be used in records, test reports, and on the final container label.

(c) Final container samples from each serial shall be tested for bacteria and fungi in accordance with the test provided in § 113.26. Any serial found to be unsatisfactory shall not be released.

[39 FR 27428, July 29, 1974, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.55 Detection of extraneous agents in Master Seed Virus.

Unless otherwise prescribed in a Standard Requirement or in a filed Outline of Production, each Master Seed Virus (MSV) shall be tested as prescribed in this section. A MSV found unsatisfactory by any prescribed test shall not be used. A serial of biological product shall not be released if produced from a MSV that is found unsatisfactory by any prescribed test.

(a) At least a 1.0 ml aliquot per cell culture of MSV shall be dispensed onto monolayers (at least 75 cm^2 in area) of:

(1) Vero (African green monkey kidney) cell line;

(2) Embryonic cells, neonatal cells, or a cell line of the species for which the vaccine is recommended; and

(3) Embryonic cells, neonatal cells, or a cell line of the species of cells in which the MSV is presently being propagated if different than prescribed in paragraphs (a)(1) and (a)(2) of this section. Cell lines used shall have been found satisfactory when tested as prescribed in § 113.52 and primary cells used shall have been found satisfactory when tested as prescribed in § 113.51. If the MSV is cytopathic for or causes hemadsorption in the cells in which it is to be tested, the MSV shall be neutralized with monospecific antiserum supplied or approved by Animal and Plant Health Inspection Service (APHIS) or counteracted by a method approved by APHIS.

(b) At least one monolayer of each cell type used in the test shall be maintained as an uninoculated control.

(c) Each monolayer shall be maintained at least 14 days.

(d) Cells shall be subcultured at least once during the maintenance period. All but the last subculture shall result in at least one new monolayer at least 75 cm^2. The last subculture shall meet the minimum area requirement specified in §§ 113.46 and 113.47.

(e) Monolayers shall be examined regularly throughout the 14-day maintenance period for evidence of cytopathogenic agents. If evidence of a cytopathogenic agent is found, the MSV is unsatisfactory.

(f) At the conclusion of the 14-day maintenance period, monolayers shall be tested for:

(1) Cytopathogenic and/or hemadsorbing agents as prescribed in § 113.46;

(2) Extraneous agents by the fluorescent antibody technique as prescribed in § 113.47.

[50 FR 444, Jan. 4, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

LIVE BACTERIAL VACCINES

§ 113.64 General requirements for live bacterial vaccines.

When prescribed in an applicable Standard Requirement or in the filed Outline of Production, a live bacterial vaccine shall meet the requirements in this section.

(a) *Purity test.* Final container samples of completed product from each serial and subserial, and samples of each lot of Master Seed Bacteria shall be tested for the presence of extraneous viable bacteria and fungi in accordance with the test provided in § 113.27(b).

(b) *Safety tests.* (1) Samples of completed product from each serial or first subserial and samples of each lot of Master Seed Bacteria shall be tested for safety in young adult mice in accordance with the test provided in § 113.33(b) unless:

(i) The bacteria or agents in the vaccine are inherently lethal for mice.

(ii) The vaccine is recommended for poultry.

(2) Samples of completed product from each serial or first subserial of live bacterial vaccine shall be tested for safety in one of the species for which the product is recommended as follows:

(i) Live bacterial vaccine recommended for use in dogs shall be tested as provided in § 113.40, except that dogs shall be injected with the equivalent of two doses of vaccine administered as recommended on the label.

(ii) Live bacterial vaccine recommended for use in cattle shall be tested as provided in § 113.41, except that calves shall be injected with the equivalent of two doses of vaccine administered as recommended on the label.

(iii) Live bacterial vaccine recommended for use in sheep shall be tested as provided in § 113.45.

(iv) Live bacterial vaccine recommended for use in swine shall be tested as provided in § 113.44.

(c) *Identity test.* At least one of the identity tests provided in this paragraph shall be conducted for the Master Seed Bacteria and final container samples from each serial or first subserial of completed biological product. A known positive control (reference) provided or approved by Animal and Plant Health Inspection Service shall be included in such tests.

(1) *Fluorescent antibody test.* The direct fluorescent antibody staining technique shall be conducted using suitable smears of the vaccine bacteria. Fluorescence typical for the bacteria concerned shall be demonstrated. Fluorescence shall not occur in control smears treated with specific antiserum.

(2) *Tube agglutination test.* A tube agglutination test shall be conducted with a suitable suspension of the vaccine bacteria using the constant antigen decreasing serum method with specific antiserum. Agglutination typical for the bacteria shall be demonstrated. Agglutination shall not occur with negative serum used as a control in this test.

(3) *Slide agglutination test.* The rapid plate (slide) agglutination test shall be conducted with suitable suspensions of the vaccine bacteria using the hanging drop, slide or plate method, with specific antiserum. Agglutination typical for the bacteria shall be demonstrated by microscopic or macroscopic observation. Agglutination shall not occur with negative serum used as a control in this test.

(4) *Characterization tests.* Applicable biochemical and cultural characteristics shall be demonstrated as specified in the filed Outline of Production.

(d) *Ingredient requirements.* Ingredients used for the growth and preparation of Master Seed Bacteria and of live bacterial vaccine shall meet the requirements provided in § 113.50. Ingredients of animal origin shall meet the applicable requirements provided in § 113.53.

(e) *Moisture content.* The maximum percent moisture in desiccated vaccines shall be stated in the filed Outline of Production and shall be established by the licensee as follows:

(1) *Prelicensing.* Data obtained by conducting accelerated stability tests and

bacterial counts shall be acceptable on a temporary basis.

(2) *Licensed products.* Data shall be obtained by determining the percent moisture and bacterial count at release and expiration on a minimum of 10 consecutive released serials.

[48 FR 33476, July 22, 1983, as amended at 54 FR 19352, May 5, 1989; 56 FR 66784, Dec. 26, 1991]

§ 113.65 Brucella Abortus Vaccine.

Brucella Abortus Vaccine shall be prepared as a desiccated live culture bacterial vaccine from smooth colonial forms of the *Brucella abortus* organism, identified as Strain 19. Each serial and subserial shall be tested for purity, potency, and moisture content. A serial or subserial found unsatisfactory by a prescribed test shall not be released.

(a) *Purity tests.* Each serial and subserial shall be tested for purity as provided in this paragraph.

(1) Macroscopic and microscopic examination shall be made on bulk samples from production containers. If organisms not typical of *Brucella abortus* organisms are evident, the serial or subserial is unsatisfactory.

(2) Two final container vials of completed product shall be tested by inoculating one tube of Dextrose Andrades broth with gas tube and one tube of thioglycollate broth from each vial. The inoculated media shall be incubated at 35 to 37 ° C for 96 hours. If growth not typical of *Brucella abortus* organisms is evident, the serial or subserial is unsatisfactory.

(3) Bacterial dissociation test. Final container samples of completed product from each serial and subserial shall be tested for bacterial dissociation. Smooth colonies are the desired form. Rough colonies are undesirable terminal dissociation forms. Intermediate and intermediate-to-rough are also undesirable.

(i) The sample container shall be rehydrated and streaked on one potato agar plate in such a manner as to produce confluent colonies. Artificial reflected light shall be used so that the rays pass through the plate at a 45° angle.

(ii) If the vaccine contains more than 5 percent rough colonies or more than 15 percent total undesirable colonies, the serial or subserial is unsatisfactory. If organisms or growth not characteristic of *Brucella abortus* are found, the serial or subserial is unsatisfactory. The test may be repeated one time using double the number of samples: *Provided,* That, if the test is not repeated, the serial or subserial is unsatisfactory.

(b) *Bacterial count requirements for reduced dose vaccine.* Each serial and each subserial shall be tested for potency.

(1) Two final container vials of completed product shall be tested for the number of viable organisms per dose of rehydrated vaccine. A bacterial count per vial shall be made on tryptose agar plates from suitable dilutions using 1 percent peptone as a diluent. The inoculated media shall be incubated at 35 to 37 ° C for 96 hours.

(2) If the average count of the two final container samples of freshly prepared vaccine contains less than 3.0 or more than 10.0 billion organisms per dose, the serial or subserial is unsatisfactory.

(3) If the average count on the initial test is less than the minimum or greater than the maximum required in paragraph (b)(2) of this section, the serial or subserial may be retested one time using four additional final container vials. The average count of the retest is determined. If the average count of the four vials retested is less than the required minimum or greater than the required maximum, the serial or subserial is unsatisfactory. If the average count of the four vials retested is within the required limits described in paragraph (b)(2) of this section, the following shall apply:

(i) If the average count obtained in the initial test is less than one-third or more than three times the average count obtained on the retest, the average count of the initial test shall be considered the result of test system error and the serial or subserial is satisfactory.

(ii) If the average count obtained in the initial test is one-third or more than the average retest count or three times or less than the average retest count, a new average count shall be determined from the counts of all six vials. If the new average is less than

the minimum or greater than the maximum required in paragraph (b)(2) of this section, the serial or subserial is unsatisfactory.

(4) If tested at any time within the expiration period, each dose of rehydrated vaccine must contain at least 3.0 billion viable organisms per dose.

(c) *Bacterial count requirements for standard vaccine.* Each serial and subserial shall be tested for potency.

(1) Two final container samples shall be tested for the number of viable organisms per milliliter of rehydrated vaccine. One bacterial count per vial shall be made on tryptose agar plates from suitable dilutions using 1 percent peptone as a diluent. The inoculated media shall be incubated at 35 to 37 ° C for 96 hours.

(2) If the average count of the two final container samples of freshly prepared vaccine does not contain at least 10 billion viable organisms per milliliter, the serial or subserial is unsatisfactory.

(3) If the initial bacterial count is less than 10 billion organisms per milliliter, the serial or subserial may be retested one time using four samples. If the average count of the four vials retested is less than the required minimum, the serial or subserial is unsatisfactory.

(4) If tested at any time within the expiration period, each milliliter of rehydrated vaccine does not contain at least 5 billion viable organisms per milliliter, the serial or subserial is unsatisfactory.

[39 FR 16857, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974, and amended at 40 FR 758, Jan. 3, 1975; 50 FR 23794, Jan. 6, 1985]

§ 113.66 Anthrax Spore Vaccine—Nonencapsulated.

Anthrax Spore Vaccine—Nonencapsulated shall be a live spore suspension prepared from nonencapsulated variants of *Bacillus anthracis.* Only Master Seed which has been established as pure, safe, and immunogenic shall be used for production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.64 and the requirements in this section.

(b) Each lot of Master Seed shall be tested for immunogenicity as follows:

(1) Forty-two susceptible guinea pigs from the same source each weighing 400 to 500 grams, shall be used as test animals (30 vaccinates and 12 controls).

(2) An arithmetic mean spore count of vaccine produced from the highest passage of the Master Seed shall be established before the immunogenicity test is conducted. The guinea pigs used as vaccinates shall be injected as recommended on the label with a predetermined number of vaccine spores. To confirm the dosage, five replicate spore counts shall be conducted on a sample of the vaccine dilution used.

(3) Fourteen to fifteen days postvaccination the vaccinates and controls shall each be challenged with not less than 4,500 guinea pig LD_{50} of a virulent suspension of *Bacillus anthracis* furnished or approved by Animal and Plant Health Inspection Service and observed for 10 days.

(4) If at least 10 of the 12 controls do not die from *Bacillus anthracis* within the 10-day postchallenge observation period the test is invalid and may be repeated.

(5) If at least 27 of 30 of the vaccinates do not survive the 10-day postchallenge observation period, the Master Seed is unsatisfactory.

(6) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. The vaccinates and controls must meet the criteria prescribed in paragraphs (b)(4) and (b)(5) of this section.

(7) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test Requirements for Release.* Each serial and subserial shall meet the applicable general requirements prescribed in 9 CFR 113.64 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* Samples of completed product from each serial or first subserial shall be tested for safety in sheep

or goats by the methods described in 9 CFR 113.45(a).

(2) *Spore Count Requirements.* Final container samples of completed product shall be tested for spore count. Samples shall be diluted in tenfold steps. Each dilution expected to yield 30 to 300 colonies per plate shall be plated in triplicate on tryptose agar, inverted, and incubated at 35 to 70° C for 24 hours to 28 hours. Each plate having uniformly distributed colonies shall be counted and an average count determined. To be eligible for release, each serial and each subserial shall have a spore count sufficiently greater than that of the vaccine used in the immunogenicity test to assure that when tested at any time within the expiration period, each serial and subserial shall have a spore count of at least twice that used in the immunogenicity test but not less than 2,000,000 spores per dose.

[50 FR 23794, June 6, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.67 Erysipelothrix Rhusiopathiae Vaccine.

Erysipelothrix Rhusiopathiae Vaccine shall be prepared as a desiccated live culture of an avirulent or modified strain of *Erysipelothrix rhusiopathiae.* Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production.

(a) The Master Seed shall meet the applicable requirements prescribed in § 113.64 and the requirements in this section.

(b) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity. The selected bacterial count from the lot of Master Seed shall be established as follows:

(1) Thirty *Erysipelothrix rhusiopathiae* susceptible swine shall be used as test animals (20 vaccinates and 10 controls) for each route of administration recommended on the label.

(2) An arithmetic mean count of the colony forming units from vaccine produced from the highest passage of the Master Seed shall be established before the immunogenicity test is conducted. The 20 swine to be used as vaccinates shall be injected as recommended on the label with a predetermined quantity of vaccine bacteria. The 10 control swine shall be held separately from the vaccinates. To confirm the dosage calculation, an arithmetic mean count shall be established by conducting five replicate titrations on a sample of the bacterial vaccine dilution used. Only plates containing between 30 and 300 colonies shall be considered in a valid test.

(3) The vaccinates and controls shall be examined and their average body temperature determined prior to challenge. Fourteen to twenty-one days postvaccination, the vaccinates and controls shall be challenged with a virulent *Erysipelothrix rhusiopathiae* culture and observed for 7 days. The challenge culture and instructions for preparation and use shall be obtained from Animal and Plant Health Inspection Service.

(4) A satisfactory challenge shall be evidenced in the controls by a high body temperature or clinical signs including, but not limited to acute illness with hyperemia of the abdomen and ears, possibly terminating in sudden death; moribundity, with or without metastatic skin lesions; depression with anorexia, stiffness, and/or joint involvement; or any combination of these symptoms and lesions.

(5) If at least 80 percent of the controls do not show characteristic signs during the observation period including, but not limited to a body temperature of 105.6 ° F or higher on at least 2 consecutive days, the test shall be considered inconclusive: *Provided,* That control pigs which meet the criteria requirements for susceptibility except for high body temperature shall be considered susceptible if sacrificed and organisms identified as *Erysipelothrix rhusiopathiae* can be isolated from the blood, spleen, or other organs.

(6) To demonstrate immunity after challenge, the vaccinates shall remain free of clinical signs and the body temperature shall not exceed 104.6 ° F on 2 or more consecutive days. If at least 90 percent of the vaccinates do not remain free from clinical signs and high body temperature throughout the observation period, the Master Seed is unsatisfactory.

(7) The Master Seed shall be retested for immunogenicity in 3 years. Only

five vaccinates and five controls need to be used in the retest: *Provided,* That at least four of five vaccinates and four of the five controls shall meet the criteria prescribed in paragraphs (b)(5) and (b)(6) of this section.

(8) An Outline of Production change shall be made before authority for use of a new Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable requirements in §113.64 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* Samples of completed product from each serial or first subserial shall be tested for safety in young adult mice as prescribed in §113.33(b) and in swine as prescribed in §113.44.

(2) *Bacterial count requirements.* Final container samples of completed product from each serial and each subserial shall be tested for bacterial count using the method used in paragraph (b)(2) of this section. Two replicate titrations shall be conducted on each sample. To be eligible for release, each serial and subserial shall have a bacterial count sufficiently greater than that of the vaccine used in the immunogenicity test to assure that, when tested at any time within the expiration period, each serial and subserial shall have a bacterial count two times greater than that used in such immunogenicity test.

[50 FR 23795, June 6, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

§113.68 Pasteurella Haemolytica Vaccine, Bovine.

Pasteurella Haemolytica Vaccine, Bovine, shall be prepared as a desiccated live culture bacterial vaccine of an avirulent or modified strain of *Pasteurella haemolytica,* identified as serotype 1. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.64 and the requirements in this section.

(b) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity. The immunogenicity of a selected bacterial count from the lot of Master Seed shall be established as follows:

(1) Fifteen *Pasteurella haemolytica* susceptible calves shall be used as test animals (10 vaccinates and 5 controls) for each route of administration recommended on the label.

(2) An arithmetic mean count of the colony forming units from vaccine produced from the highest passage of the Master Seed shall be established before the immunogenicity test is conducted. The 10 calves to be used as vaccinates shall be injected as recommended on the label with a predetermined quantity of vaccine bacteria. The five control calves shall be held separately from the vaccinates. To confirm the dosage calculation, five replicate titrations on a sample of the bacterial vaccine used. Only plates containing between 30 and 300 colonies shall be considered a valid test.

(3) The vaccinates and controls shall be examined and their average body temperature determined prior to challenge. Fourteen to twenty-one days post vaccination, the vaccinates and controls shall each be challenged by the respiratory route with a (virulent) pneumonia producing *Pasteurella haemolytica* culture and observed for 4 to 7 days. The challenge culture and instructions for preparation for use shall be furnished or approved by the Animal and Plant Health Inspection Service.

(4) A satisfactory challenge shall be evidenced in the controls by progression of clinical signs consistent with respiratory system infection following challenge, including but not limited to lacrimation, mucoid nasal exudates, expiratory dyspnea, tachypnea, pulmonary rales, and cough possibly terminating in death; moribundity, depression with anorexia, diarrhea with substantial weight loss; or any combination of these symptoms.

(5) Lung lesion response to challenge will be assessed in all calves. Lung lesions will be assessed at necropsy in calves that succumb to challenge. Surviving calves will be euthanized on day

4 to 7 following challenge and lung lesions assessed at necropsy. Lung lesion scores will be used in the assessment of the response to challenge exposure. If a significant difference in lung lesion scores cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service, the Master Seed is unsatisfactory.

(6) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest: *Provided,* that, at least four of five vaccinates and four of five controls shall meet the criteria prescribed in paragraphs (b)(4) and (b)(5) of this section.

(7) An Outline of Production change must be made before authority for use of a new lot of Master Seed is granted by the Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §§ 113.8 and 113.64 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* Samples of completed product from each serial or first subserial shall be tested for safety in calves as provided in §§ 113.41(a) and 113.41(b) except, that the equivalent of two doses of vaccine shall be used and administered in the manner recommended on the label.

(2) *Bacterial count requirements.* Final container samples of completed product shall be tested for bacterial count using the method used in paragraph (b)(2) of this section. Two replicate titrations shall be conducted on each serial and subserial. Each sample shall be rehydrated with accompanying sterile diluent to the volume indicated on the label. To be eligible for release, each serial and subserial shall have a bacterial count sufficiently greater than that of the vaccine used in the immunogenicity test to assure that, when tested at any time within the expiration period, each serial and subserial shall have a bacterial count at least two times greater than that used in the immunogenicity test.

[55 FR 35559, Aug. 31, 1990]

§ 113.69 Pasteurella Multocida Vaccine, Bovine.

Pasteurella Multocida Vaccine, Bovine, shall be prepared as a desiccated live culture bacterial vaccine of an avirulent or modified strain of *Pasteurella multocida,* of bovine origin. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.64 and the requirements in this section.

(b) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity. The immunogenicity of a selected bacterial count from the lot of Master Seed shall be established as follows:

(1) Fifteen *Pasteurella multocida* susceptible calves shall be used as test animals (10 vaccinates and 5 controls) for each route of administration recommended on the label.

(2) An arithmetic mean count of the colony forming units from vaccine produced from the highest passage of the Master Seed shall be established before the immunogenicity test is conducted. The 10 calves to be used as vaccinates shall be injected as recommended on the label with a predetermined quantity of vaccine bacteria. The five control calves shall be held separately from the vaccinates. To confirm the dosage calculation, arithmetic mean count shall be established by conducting five replicate titrations on a sample of the bacterial vaccine used. Only plates containing between 30 and 300 colonies shall be considered a valid test.

(3) The vaccinates and controls shall be examined and their average body temperature determined prior to challenge. Fourteen to twenty-one days post vaccination, the vaccinates and controls shall each be challenged by the respiratory route with a (virulent) pneumonia producing *Pasteurella multocida* culture and observed for 4 to

10 days. The challenge culture and instructions for preparation for use shall be furnished or approved by the Animal and Plant Health Inspection Service.

(4) A satisfactory challenge shall be evidenced in the controls by progression of clinical signs consistent with respiratory system infection following challenge, including but not limited to acute illness with higher body temperature and respiration rate, lacrimation, mucoid nasal exudate, expiratory dyspnea, tachypnea, pulmonary rales, and cough, possibly terminating in death; moribundity, depression with anorexia; diarrhea with substantial weight loss; or any combination of these symptoms.

(5) Lung lesion response to challenge will be assessed in all calves. Lung lesions will be assessed at necropsy in calves that succumb to challenge. Surviving calves will be euthanized on day 4 to 10 following challenge and lung lesions assessed at necropsy. Lung lesion scores will be used in the assessment of the response to challenge exposure. If a significant difference in lung lesion scores cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service, the Master Seed is unsatisfactory.

(6) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest: *Provided,* that, at least four of five vaccinates and four of five controls shall meet the criteria prescribed in paragraphs (b)(4) and (b)(5) of this section.

(7) An Outline of Production change must be made before authority for use of a new lot of Master Seed is granted by the Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §§ 113.8 and 113.64 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety Test.* Samples of completed product from each serial or first subserial shall be tested for safety in calves as provided in §§ 113.41(a) and 113.41(b), except that the equivalent of two doses of vaccine shall be used and administered in the manner recommended on the label.

(2) *Bacterial count requirements.* Final container samples of completed product shall be tested for bacterial count using the method used in paragraph (b)(2) of this section. Two replicate titrations shall be conducted on each serial and subserial. Each sample shall be rehydrated with accompanying sterile diluent to the volume indicated on the label. To be eligible for release, each serial and subserial shall have a bacterial count sufficiently greater than that of the vaccine used in the immunogenicity test count per dose established to assure that, when tested at any time within the expiration period, each serial and subserial shall have a bacterial count at least two times greater than that used in the immunogenicity test.

[55 FR 35560, Aug. 31, 1990]

§ 113.70 Pasteurella Multocida Vaccine, Avian Isolate.

Pasteurella Multocida Vaccine, Avian Isolate, shall be prepared as a desiccated live culture of an avirulent or modified strain of *Pasteurella multocida*. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.64 and the requirements in this section.

(b) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity in each species and for each serotype for which the Master Seed is claimed to give protection.

(1) Thirty *Pasteurella multocida* susceptible birds shall be used as test animals (20 vaccinates and 10 controls) for each bird species, route of administration, and serotype for which protection is claimed on the label.

(2) An arithmetic mean count of colony forming units from vaccine produced from the highest passage of Master Seed shall be established before the immunogenicity test is conducted. The 20 birds to be used as vaccinates shall be inoculated, as recommended on the

label with a predetermined quantity of vaccine bacteria. The 10 control birds shall be held separately from the vaccinates. To confirm the dosage calculation, an arithmetic mean count shall be established by conducting five replicate titrations on a sample of the bacterial vaccine used. Only plates containing between 30 and 300 colonies shall be considered in a valid test.

(3) Not less than 14 days after vaccination, each of 20 vaccinates and each of 10 unvaccinated controls shall be challenged intramuscularly or by other methods acceptable to the Animal and Plant Health Inspection Service with a virulent *Pasteurella multocida* strain, for which protection is claimed, and observed daily for a 14 day postchallenge period.

(4) Eight or more of the unvaccinated controls must die for the test to be valid. If at least 16 of 20 of the vaccinates do not survive the 14-day postchallenge period, the Master Seed is unsatisfactory at the selected bacterial count.

(5) The Master Seed shall be retested for immunogenicity in 3 years and shall meet the criteria prescribed in paragraph (b)(4) of this section.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable requirements in §§ 113.8 and 113.64 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* Samples of completed product from each serial or first subserial shall be tested for safety.

(i) Ten birds of a species for which the vaccine is recommended shall be given the equivalent of 10 doses each of the vaccine and observed for 10 days. If the vaccine is recommended for more than one species, only one species needs to be tested.

(ii) If unfavorable reactions attributable to the vaccine occur during the observation period in two or more of the test birds, the serial is unsatisfactory.

(iii) If unfavorable reactions occur which are not attributable to the test vaccine, the test is inconclusive and may be repeated. If the results of the next test are not satisfactory, or if the test is not repeated, the serial shall be considered unsatisfactory.

(2) *Bacterial count requirements.* Final container samples of completed product shall be tested for bacterial count using the method used in paragraph (b)(2) of this section. Two replicate titrations shall be conducted on each serial and subserial. Each sample shall be rehydrated with accompanying sterile diluent to the volume indicated on the label. To be eligible for release, each serial and subserial shall have a bacterial count sufficiently greater than that of the vaccine used in the immunogenicity test count per dose established to assure that, when tested at any time within the expiration period, each serial and subserial shall have a bacterial count at least two times greater than that used in the immunogenicity test.

[55 FR 35560, Aug. 31, 1990, as amended at 59 FR 19633, Apr. 25, 1994; 64 FR 43044, Aug. 9, 1999]

§ 113.71 Chlamydia Psittaci Vaccine (Feline Pneumonitis), Live Chlamydia.

Chlamydia Psittaci Vaccine (Feline Pneumonitis), Live Chlamydia, shall be prepared from chlamydia-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable requirements prescribed in § 113.300 and the requirements in this section. Master Seed propagated in chicken embryos shall be tested for pathogens by the chicken embryo test prescribed in § 113.37. If found unsatisfactory by any prescribed test, the Master Seed shall not be used.

(b) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity. The immunogenicity of a selected dose from the lot of Master Seed shall be established as follows:

(1) Thirty feline pneumonitis susceptible cats shall be used as test animals (20 vaccinates and 10 controls). Blood samples shall be drawn and individual serum samples tested. The cats shall be considered suitable for use if all serums

are negative for pneumonitis antibody in a complement fixation test or other test of equal sensitivity.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed shall be established before the immunogenicity test is conducted. The 20 cats used as vaccinates shall be administered a predetermined quantity of vaccine by the method to be recommended on the label and the remaining 10 cats shall be held as controls. To confirm the dosage calculations, five replicate titrations shall be conducted on a sample of the vaccine dilution used. If two doses are used, five replicate confirming titrations shall be conducted on each dose.

(3) Fourteen or more days after the final dose of vaccine, the vaccinates and controls shall each be challenged intranasally with a minimum of 10,000 yolk sac LD50 of virulent feline pneumonitis furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 28 days postchallenge. The rectal temperature of each animal shall be taken and the presence or absence of clinical signs noted and recorded each day.

(i) If less than 8 of 10 controls show clinical signs of feline pneumonitis infection other than fever, the test is inconclusive and may be repeated.

(ii) If a significant difference in clinical signs other than fever or chlamydia shedding cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service, the Master Seed is unsatisfactory.

(4) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Either 10 vaccinates and 6 controls or 5 vaccinates and 3 controls shall be used in the retest.

(i) If less than five of six or three of three of the controls in the retest show clinical signs of feline pneumonitis infection other than fever, the test is inconclusive and may be repeated.

(ii) A significant difference in clinical signs shall be demonstrated between vaccinates and controls in a valid test as prescribed in paragraph (c)(3)(ii) of this section.

(5) An Outline of Production change must be made before authority for use of a new lot of Master Seed is granted by the Animal and Plant Health Inspection Service.

(c) *Test requirements for release:* Except for §113.300(a)(3)(ii), each serial and subserial shall meet the requirements prescribed in §113.300 and in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) The test for pathogens prescribed in §113.37 shall be conducted on each serial or one subserial of avian origin vaccine.

(2) *Chlamydia titer requirements.* Final container samples of completed product shall be tested for chlamydia titer using the titration method used in paragraph (b)(2) of this section. To be eligible for release, each serial and each subserial shall have a titer sufficiently greater than the titer of vaccine used in the immunogenicity test prescribed in paragraph (b) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a titer 0.7 greater than that used in such immunogenicity test but not less than 2.5 ID50 per dose.

[55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

INACTIVATED BACTERIAL PRODUCTS

§113.100 General requirements for inactivated bacterial products.

Unless otherwise prescribed in an applicable Standard Requirement or in the filed Outline of Production, an inactivated bacterial product shall meet the applicable requirements in this section.

(a) *Purity tests.* (1) Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in §113.26.

(2) Each lot of Master Seed Bacteria shall be tested for the presence of extraneous viable bacteria and fungi in accordance with the test provided in §113.27(d).

(b) *Safety tests.* Bulk or final container samples of completed product

from each serial shall be tested for safety in young adult mice in accordance with the test provided in § 113.33(b) unless:

(1) The product contains material which is inherently lethal for mice. In such instances, the guinea pig safety test provided in § 113.38 shall be conducted in place of the mouse safety test.

(2) The product is recommended for poultry. In such instances, the product shall be safety tested in poultry as defined in the specific Standard Requirement or Outline of Production for the product.

(3) The product is recommended for fish, other aquatic species, or reptiles. In such instances, the product shall be safety tested in fish, other aquatic species, or reptiles as required by specific Standard Requirement or Outline of Production for the product.

(c) *Identity test.* Methods of identification of Master Seed Bacteria to the genus and species level by laboratory tests shall be sufficient to distinguish the bacteria from other similar bacteria according to criteria described in the most recent edition of ''Bergey's Manual of Systematic Bacteriology'' or the American Society for Microbiology ''Manual of Clinical Microbiology''. If Master Seed Bacteria are referred to by serotype, serovar, subtype, pilus type, strain or other taxonomic subdivision below the species level, adequate testing must be used to identify the bacteria to that level. Tests which may be used to identify Master Seed Bacteria include, but are not limited to:

(1) Cultural characteristics,

(2) Staining reaction,

(3) Biochemical reactivity,

(4) Fluorescent antibody tests,

(5) Serologic tests,

(6) Toxin typing,

(7) Somatic or flagellar antigen characterization, and

(8) Restriction endonuclease analysis.

(d) *Ingredient requirements.* Ingredients used for the growth and preparation of Master Seed Bacteria and of final product shall meet the requirements provided in § 113.50. Ingredients of animal origin shall meet the applicable requirements provided in § 113.53.

(e) Only serials tested for viricidal activity in accordance with the test provided in § 113.35 and found satisfactory by such test shall be packaged as diluent for desiccated fractions in combination packages.

(f) If formaldehyde is used as the inactivating agent and the serial has not been found satisfactory by the viricidal activity test, bulk or final container samples of completed product from each serial shall be tested for residual free formaldehyde content using the Basic Fuchsin Test.

(1) The residual free formaldehyde content of biological products containing Clostridial antigens shall not exceed the equivalent of 0.5 percent formaldehyde solution (1,850 parts per million formaldehyde.)

(2) The residual free formaldehyde content of bacterins, bacterin-toxoids, and toxoids other than those containing Clostridial antigens, shall not exceed the equivalent of 0.2 percent formaldehyde solution (740 parts per million formaldehyde.)

[39 FR 16862, May 10, 1974. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 60 FR 14355, Mar. 17, 1995]

§ 113.101 Leptospira Pomona Bacterin.

Leptospira Pomona Bacterin shall be produced from a culture of *Leptospira pomona* which has been inactivated and is nontoxic. Each serial of biological product containing *Leptospira pomona* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product shall be diluted with physiological saline so that each 0.25 ml contains not more than 1/800th of the dose recommended on the label and shall be tested for potency, using the two-stage test provided in this paragraph.

(1) *Vaccinates.* Inject each of at least 10 but not more than 12 young adult hamsters, each weighing 50 to 90 grams, with 0.25 ml of the diluted bacterin either subcutaneously or intramuscularly, in accordance with the label recommendations for use.

(2) *Controls.* Retain at least 10 but not more than 12 additional hamsters from the same group as unvaccinated controls.

(3) *Challenge.* From 14 to 18 days postvaccination, challenge each of 10 vaccinates and each of 10 controls intraperitoneally with a suspension of virulent *Leptospira pomona* organisms, using a dose of 10–10,000 hamster LD_{50} as determined by titration.

(4) *Post-challenge period.* Observe the vaccinates and controls for 14 days post-challenge and record all deaths. If eight or more controls die of leptospirosis, the test is valid and the results shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total dead hamsters for satisfactory serial	Cumulative total dead hamsters for unsatisfactory serial
1	10	10	2 or less	5 or more.
2	10	20	5 or less	6 or more.

(5) If three or four vaccinates die in the first stage, the second stage shall be conducted in a manner identical to the first stage.

(6) If the second stage is used, each serial shall be evaluated according to the second part of the table. On the basis of cumulative results, each serial shall either pass or fail.

[39 FR 16862, May 10, 1974, as amended at 40 FR 20067, May 8, 1975; 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.102 Leptospira Icterohaemorrhagiae Bacterin.

Leptospira Icterohaemorrhagiae Bacterin shall be produced from a culture of *Leptospira icterohaemorrhagiae* which has been inactivated and is nontoxic. Each serial of biological product containing *Leptospira icterohaemorrhagiae* fraction shall meet the applicable requirements in § 113.100 and be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product shall be diluted with physiological saline so that each 0.25 ml contains not more than 1/80th of the dose recommended on the label and shall be tested for potency, using the two-stage test provided in this paragraph.

(1) *Vaccinates.* Inject each of at least 10 but not more than 12 young adult hamsters, each weighing 50 to 90 grams, with 0.25 ml of the diluted bacterin either subcutaneously or intramuscularly, in accordance with the label recommendations for use.

(2) *Controls.* Retain at least 10 but not more than 12 additional hamsters from the same group as unvaccinated controls.

(3) *Challenge.* From 14 to 18 days postvaccination, challenge each of 10 vaccinates and each of 10 controls intraperitoneally with a suspension of virulent *Leptospira icterohaemorrhagiae* organisms, using a dose of 10–10,000 hamster LD_{50} as determined by titration.

(4) *Post-challenge period.* Observe the vaccinates and controls for 14 days post-challenge and record all deaths. If eight or more controls die from leptospirosis, the test is valid and the results shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total dead hamsters for satisfactory serial	Cumulative total dead hamsters for unsatisfactory serial
1	10	10	2 or less	5 or more.
2	10	20	5 or less	6 or more.

(5) If three or four vaccinates die in the first stage, the second stage shall be used. The second stage shall be conducted in a manner identical to the first stage.

(6) If the second stage is used, each serial shall be evaluated according to

the second part of the table. On the basis of cumulative results, each serial shall either pass or fail.

[39 FR 16862, May 10, 1974, as amended at 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.103 Leptospira Canicola Bacterin.

Leptospira Canicola Bacterin shall be produced from a culture of *Leptospira canicola* which has been inactivated and is nontoxic. Each serial of biological product containing *Leptospira canicola* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. Serials found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product shall be diluted with physiological saline so that each 0.25 ml contains not more than 1/80th of the dose recommended on the label and shall be tested for potency, using the two-stage test provided in this paragraph.

(1) *Vaccinates.* Inject each of at least 10 but not more than 12 young adult hamsters, each weighing 50 to 90 grams, with 0.25 ml of the diluted bacterin either subcutaneously or intramuscularly, in accordance with the label recommendations for use.

(2) *Controls.* Retain at least 10 but not more than 12 additional hamsters from the same group as unvaccinated controls.

(3) *Challenge.* From 14 to 18 days postvaccination, challenge each of 10 vaccinates and each of 10 controls intraperitoneally with a suspension of virulent *Leptospira canicola* organisms, using a dose of 10–10,000 hamster LD_{50} as determined by titration.

(4) *Post-challenge period.* Observe the vaccinates and controls for 14 days post-challenge and record all deaths. If eight or more controls die from leptospirosis, test is valid and the results shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total dead hamsters for satisfactory serial	Cumulative total dead hamsters for unsatisfactory serial
1	10	10	2 or less	5 or more.
2	10	20	5 or less	6 or more.

(5) If three or four vaccinates die in the first stage, the second stage shall be used. The second stage shall be conducted in a manner identical to the first stage.

(6) If the second stage is used, each serial shall be evaluated according to the second part of the table. On the basis of cumulative results, each serial shall either pass or fail.

[39 FR 16862, May 10, 1974, as amended at 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.104 Leptospira Grippotyphosa Bacterin.

Leptospira Grippotyphosa Bacterin shall be produced from a culture of *Leptospira grippotyphosa* which has been inactivated and is nontoxic. Each serial of biological product containing *Leptospira grippotyphosa* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product shall be diluted with physiological saline so that each 0.25 ml contains not more than 1/800th of the dose recommended on the label and shall be tested for potency, using the two-stage test provided in this paragraph.

(1) *Vaccinates.* Inject each of at least 10 but not more than 12 young adult

hamsters, each weighing 50 to 90 grams, with 0.25 ml of the diluted bacterin either subcutaneously or intramuscularly, in accordance with the label recommendations for use.

(2) *Controls.* Retain at least 10 but not more than 12 additional hamsters from the same group as unvaccinated controls.

(3) *Challenge.* From 14 to 18 days postvaccination, challenge each of 10 vaccinates and each of 10 controls intraperitoneally with a suspension of virulent *Leptospira grippotyphosa* organisms, using a dose of 10–10,000 hamster LD_{50} as determined by titration.

(4) *Post-challenge period.* Observe the vaccinates and controls for 14 days post-challenge and record all deaths. If eight or more controls die of leptospirosis, the test is valid and the results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of vaccinates	Dead hamsters for acceptance	Dead hamsters for rejection
1	10	2 or less	5 or more.
2	20	5 or less	6 or more.

(5) If three or four vaccinates die in the first stage, the second stage shall be conducted in a manner identical to the first stage.

(6) If the second stage is used, each serial shall be evaluated according to the second part of the table. On the basis of cumulative results, each serial shall either pass or fail.

[40 FR 17003, Apr. 16, 1975, as amended at 40 FR 23989, June 4, 1975; 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.105 Leptospira Hardjo Bacterin.

Leptospira Hardjo Bacterin shall be produced from a culture of *Leptospira hardjo* which has been inactivated and is nontoxic. Each serial of biological product containing *Leptospira hardjo* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the test written into the filed Outline of Production.

[40 FR 17003, Apr. 16, 1975, as amended at 40 FR 20067, May 8, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.106 Clostridium Chauvoei Bacterin.

Clostridium Chauvoei Bacterin shall be produced from a culture of *Clostridium chauvoei* which has been inactivated and is nontoxic. Each serial of biological product containing *Clostridium chauvoei* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. Serials found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the two-stage test provided in this paragraph.

(1) Each of at least 8 but not more than 10 guinea pigs, each weighing 300 to 500 grams, shall be injected subcutaneously with a guinea pig dose. A second guinea pig dose shall be injected 21 to 23 days after the first dose. Each guinea pig dose shall be one-fifth of the dose recommended on the label for a calf.

(2) *Clostridium chauvoei* challenge material, available upon request from Animal and Plant Health Inspection Service, shall be used for challenge 14 to 15 days following the last injection

of the product. Each of eight vaccinates and each of five additional nonvaccinated guinea pigs for controls shall be injected intramuscularly with approximately 100 LD_{50} of challenge material. This dose shall be determined by statistical analysis of results of titrations of the challenge material. The vaccinates and controls shall be observed for 3 days postchallenge and all deaths recorded.

(3) For a valid test, at least 80 percent of the controls shall die within the 3 day post-challenge observation period. If this requirement is met, the results of the potency test shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total number of deaths for a satisfactory test	Cumulative total number of deaths for an unsatisfactory test
1	8	8	1 or less	3 or more.
2	8	16	4 or less	5 or more.

The second stage shall be required only when exactly two animals die in the first stage. The second stage shall be conducted in a manner identical to the first stage.

[39 FR 16862, May 10, 1974, as amended at 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990 and amended at 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.107 Clostridium Haemolyticum Bacterin.

Clostridium Haemolyticum Bacterin shall be produced from a culture of *Clostridium haemolyticum* which has been inactivated and is nontoxic. Each serial of biological product containing *Clostridium haemolyticum* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the two-stage test provided in this paragraph.

(1) Each of at least 8 but not more than 10 guinea pigs, each weighing 300 to 500 grams, shall be injected subcutaneously with a guinea pig dose. A second guinea pig dose shall be injected 21 to 23 days after the first dose. Each guinea pig dose shall be one-fifth of the dose recommended on the label for a calf.

(2) *Clostridium haemolyticum* challenge material, available upon request from Animal and Plant Health Inspection Service, shall be used for challenge 14 to 15 days following the last injection of the product. Each of eight vaccinates and each of five additional nonvaccinated guinea pigs for controls shall be injected intramuscularly with approximately 100 LD_{50} of challenge material. This dose shall be determined by statistical analysis of results of titrations of the challenge material. The vaccinates and controls shall be observed for 3 days postchallenge and all deaths recorded.

(3) For a valid test, at least 80 percent of the controls shall die within the 3 day post-challenge observation period. If this requirement is met, the results of the potency test shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total number of deaths for a satisfactory test	Cumulative total number of deaths for an unsatisfactory test
1	8	8	1 or less	3 or more.
2	8	16	4 or less	5 or more.

The second stage shall be required only when exactly two animals die in the first stage. The second stage shall be conducted in a manner identical to the first stage.

[39 FR 16862, May 10, 1974, as amended at 40 FR 20067, May 8, 1975; 45 FR 40100, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.108 Clostridium Novyi Bacterin-Toxoid.

Clostridium Novyi Bacterin-Toxoid shall be produced from a culture of

Clostridium novyi which has been inactivated and is nontoxic. Each serial of biological product containing *Clostridium novyi* fraction shall meet the applicable requirements in §113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in §113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in §113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the Alpha toxin-neutralization test provided in this paragraph.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of Alpha Antitoxin which reacts with Lo and L+ doses of Standard Toxin according to their definitions.

(ii) *Lo dose.* The largest quantity of toxin which can be mixed with one unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) *L+ dose.* The smallest quantity of toxin which can be mixed with one unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The Alpha Antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium novyi* Alpha Antitoxin Standard and which is either supplied by or acceptable to the Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The Alpha toxin preparation which is supplied by or is acceptable to the Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solutions shall be made by dissolving 1 gram of peptone and 0.25 gram of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 121 °C for 25 minutes; and storing at 4 °C until used.

(2) Each of at least eight rabbits of a strain acceptable to the Animal and Plant Health Inspection Service, each weighing 4–8 pounds, shall be injected subcutaneously with not more than half of the recommended cattle dose. *Provided,* That, if the product is recommended only for sheep, half of the recommended sheep dose shall be used. A second dose shall be given not less than 20 days nor more than 23 days after the first dose.

(3) Fourteen to seventeen days after the second dose, all surviving rabbits shall be bled, and the serum tested for antitoxin content.

(i) At least seven rabbits are required to make an acceptable serum pool.

(ii) Equal quantities of serum from each rabbit shall be combined and tested as a single pooled serum.

(iii) If less than seven rabbits are available, the test is invalid and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(4) The antitoxin content of the rabbit serums shall be determined by the serum neutralization test as follows:

(i) Make a dilution of Standard Antitoxin to contain 0.1 International Unit of antitoxin per ml.

(ii) Make a dilution of Standard Toxin in which 0.1 Lo dose is contained in a volume of 1 ml or less. Make a second dilution of Standard Toxin in which 0.1 L+ dose is contained in a volume of 1 ml or less.

(iii) Combine 0.1 International Unit of Standard Antitoxin with 0.1 Lo dose of diluted Standard Toxin and combine 0.1 International Unit of Standard Antitoxin with 0.1 L+ dose of diluted Standard Toxin. Each mixture is adjusted to a final volume of 2.0 ml with diluent.

(iv) Combine 0.1 Lo dose of diluted Standard Toxin with a 0.2 ml volume of undiluted serum. The mixture is adjusted to a final volume of 2.0 ml with diluent.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for

each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 72 hours post injection and record all deaths.

(5) Test Interpretation shall be as follows:

(i) If any mice inoculated with the mixture of 0.1 International Unit of Standard Antitoxin and 0.1 Lo doses of Standard Toxin die, the results of the serum neutralization test are inconclusive and shall be repeated: *Provided*, That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with the mixture of 0.1 International Unit of Standard Antitoxin and 0.1 L+ doses of Standard Toxin die, the results of the serum neutralization test are inconclusive and shall be repeated: *Provided*, That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of 0.2 ml undiluted serum with 0.1 Lo dose of Standard Toxin die, the serum is considered to contain less than 0.50 International Units per ml.

(iv) If the single pooled serum from seven or more rabbits contains less than 0.5 International Unit per ml, the serial is unsatisfactory.

[39 FR 16862, May 10, 1974, as amended at 45 FR 40101, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990; 56 FR 37825, Aug. 9, 1991, as amended at 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.109 Clostridium Sordellii Bacterin-Toxoid.

Clostridium Sordellii Bacterin-Toxoid shall be produced from a culture of *Clostridium sordellii* which has been inactivated and is nontoxic. Each serial of biological product containing *Clostridium sordellii* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the toxin-neutralization test provided in this paragraph.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of antitoxin which reacts with Lo and L+ doses of Standard Toxin according to their definitions.

(ii) *Lo dose.* The largest quantity of toxin which can be mixed with one unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) *L+ dose.* The smallest quantity of toxin which can be mixed with one unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium sordellii* Antitoxin Standard and which is either supplied by or acceptable to the Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The toxin preparation which is supplied by or is acceptable to the Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solutions shall be made by dissolving 1 gram of peptone and 0.25 gram of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 121 °C for 25 minutes; and storing at 4 °C until used.

(2) Each of at least eight rabbits of a strain acceptable to the Animal and Plant Health Inspection Service, each weighing 4–8 pounds, shall be injected subcutaneously with not more than half of the recommended cattle dose: *Provided*, That, if the product is recommended only for sheep, half of the recommended sheep dose shall be used. A second dose shall be given not less than 20 days nor more than 23 days after the first dose.

(3) Fourteen to seventeen days after the second dose, all surviving rabbits shall be bled, and the serum tested for antitoxin content.

(i) At least seven rabbits are required to make an acceptable serum pool.

(ii) Equal quantities of serum from each rabbit shall be combined and tested as a single pooled serum.

(iii) If less than seven rabbits are available, the test is invalid and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(4) The antitoxin content of the rabbit serums shall be determined by the serum neutralization test as follows:

(i) Make a dilution of Standard Antitoxin to contain 1.0 international unit of antitoxin per ml.

(ii) Make a dilution of Standard Toxin in which 1.0 Lo dose is contained in a volume of 1 ml or less. Make a second dilution of Standard Toxin in which 1.0 L+ dose is contained in a volume of 1 ml or less.

(iii) Combine 1.0 International Unit Standard Antitoxin with 1.0 Lo dose of diluted Standard Toxin and combine 1.0 International Unit of Standard Antitoxin with 1.0 L+ dose of diluted Standard Toxin. Each mixture is adjusted to a final volume of 2.0 ml with diluent.

(iv) Combine 1.0 Lo dose of diluted Standard Toxin with a 1.0 ml volume of undiluted serum. This mixture is adjusted to a final volume of 2.0 ml with diluent.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 72 hours post injection and record all deaths.

(5) Test Interpretation shall be as follows:

(i) If any mice inoculated with the mixture of 1.0 International Unit of Standard Antitoxin and 1.0 Lo doses of Standard Toxin die, the results of the serum neutralization test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with the mixture of 1.0 International Unit of Standard Antitoxin and 1.0 L+ doses of Standard Toxin die, the results of the serum neutralization test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of 1.0 ml undiluted serum with 1.0 Lo dose of Standard Toxin die, the serum is considered to contain less than 1.0 International Units per ml.

(iv) If the single pooled serum from seven or more rabbits contains less than 1.0 International Unit per ml, the serial is unsatisfactory.

[39 FR 16862, May 10, 1974, as amended at 42 FR 61247, Dec. 2, 1977; 45 FR 40101, June 13, 1980. Redesignated at 55 FR 35562, Aug. 31, 1990; 56 FR 37826, Aug. 9, 1991; 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.110 Clostridium Botulinum Type C Bacterin-Toxoid.

Clostridium Botulinum Type C Bacterin-Toxoid shall be produced from a culture of *Clostridium botulinum* Type C which has been inactivated and is nontoxic. Each serial of biological product containing *Clostridium botulinum* Type C fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency, using susceptible mink as test animals. At least five vaccinates and three unvaccinated controls of the same source and approximately the same age shall be used.

(1) Each of the vaccinates shall be injected subcutaneously with the dose recommended on the label for mink. Twenty-one to twenty-eight days post-injection, the vaccinates and the controls shall be challenged intraperitoneally with botulinum Type C toxin which has been titrated in mice

to provide for a $10^{4.0}$ mouse MLD dose. The titration technique shall include inoculation of the mice intraperitoneally.

(2) The vaccinates and controls shall be observed for 7 days post-challenge and signs of botulism and deaths noted. For a valid test, the controls shall die of botulism. If the test is valid and 80 percent of the vaccinates do not remain free of botulism, the serial is unsatisfactory.

[39 FR 16862, May 10, 1974, as amended at 40 FR 759, Jan. 3, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.111 Clostridium Perfringens Type C Toxoid and Bacterin-Toxoid.

Clostridium Perfringens Type C Toxoid and Clostridium Perfringens Type C Bacterin-Toxoid shall be produced from a culture of *Clostridium perfringens* Type C which has been inactivated and is nontoxic. Each serial shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the Beta toxin-neutralization test provided in this paragraph.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of Beta Antitoxin which reacts with L_0 and L^+ doses of Standard Toxin according to their definitions.

(ii) L_0 dose. The largest quantity of toxin which can be mixed with one unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) L_+ *dose.* The smallest quantity of toxin which can be mixed with one unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The Beta Antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium perfringens* Beta Antitoxin Standard and which is either supplied by or acceptable to Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The Beta toxin preparation which is supplied by or is acceptable to Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solutions shall be made by dissolving 1 gram of peptone and 0.25 grams of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 250° F for 25 minutes; and storing at 4° C until used.

(2) Each of at least eight rabbits of a strain acceptable to APHIS, each weighing 4–8 pounds, shall be injected subcutaneously with not more than half of the largest recommended dose for any species indicated on the product label. A second equivalent dose shall be given not less than 20 days nor more than 23 days after the first does.

(3) Fourteen to seventeen days after the second dose, all surviving rabbits shall be bled and the serum tested for antitoxin content.

(i) At least seven rabbits are required to make an acceptable serum pool.

(ii) Equal quantities of serum from each rabbit shall be combined and tested as a single pooled serum.

(iii) If less than seven rabbits are available, the test is invalid and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(4) The antitoxin content of the rabbit serums shall be determined as follows:

(i) Make a dilution of Standard Antitoxin to contain 10 International Units of antitoxin per ml.

(ii) Make one dilution of Standard Toxin to contain 10 L_0 doses per ml and make a second dilution of Standard Toxin to contain 10 L_+ doses per ml.

(iii) Combine 10 International Units of Standard Antitoxin with 10 L_0 doses of diluted Standard Toxin and combine 10 International Units of Standard

Antitoxin with 10 L_+ doses of diluted Standard Toxin.

(iv) Combine 1 ml of undiluted serum with 10 L_0 doses of diluted Standard Toxin.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 24 hours post-injection and record all deaths.

(5) Test Interpretation shall be as follows:

(i) If any mice inoculated with the mixture of 10 International Units of Standard Antitoxin and 10 L_0 doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with mixture of 10 International Units of Standard Antitoxin and 10 L_+ doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of serum with 10 L_0 doses of Standard Toxin die, the serum is considered to contain less than 10 International Units per ml. and the serial is unsatisfactory

[39 FR 16862, May 10, 1974, as amended at 40 FR 759, Jan. 3, 1975; 40 FR 41088, Sept. 5, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66785, Dec. 26, 1991; 62 FR 31330, June 9, 1997]

§ 113.112 Clostridium Perfringens Type D Toxoid and Bacterin-Toxoid.

Clostridium Perfringens Type D Toxoid and Clostridium Perfringens Type D Bacterin-Toxoid shall be produced from a culture of *Clostridium perfringens* Type D which has been inactivated and is nontoxic. Each serial shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the Epsilon toxin-neutralization test provided in this paragraph.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of Epsilon Antitoxin which reacts with L_0 and L_+ doses of Standard Toxin according to their definitions.

(ii) *L_0 dose.* The largest quantity of toxin which can be mixed with one-tenth unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) *L_+ dose.* The smallest quantity of toxin which can be mixed with one-tenth unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The Epsilon Antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium perfringens* Epsilon Antitoxin Standard and which is either supplied by or acceptable to Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The Epsilon toxin preparation which is supplied by or is acceptable to Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solutions shall be made by dissolving 1 gram of peptone and 0.25 gram of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 250° F for 25 minutes; and storing at 4° C until used.

(2) Each of at least eight rabbits of a strain acceptable to APHIS, each weighing 4—8 pounds, shall be injected subcutaneously with not more than half of the largest recommended dose

for any species indicated on the product label. A second equivalent dose shall be given not less than 20 days nor more than 23 days after the first dose.

(3) Fourteen to seventeen days after the second dose, all surviving rabbits shall be bled, and the serum tested for antitoxin content.

(i) At least seven rabbits are required to make an acceptable serum pool.

(ii) Equal quantities of serum from each rabbit shall be combined and tested as a single pooled serum.

(iii) If less than seven rabbits are available, the test is invalid and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(4) The antitoxin content of the rabbit serums shall be determined as follows:

(i) Make a dilution of Standard Antitoxin to contain 1 International Unit of antitoxin per ml.

(ii) Make one dilution of Standard Toxin to contain 10 L_o doses per ml and make a second dilution of Standard Toxin to contain 10 L_+ doses per ml.

(iii) Combine 1 International Unit of Standard Antitoxin with 10 L_o doses of diluted Standard Toxin and Combine 1 International Unit of Standard Antitoxin with 10 L_+ doses of diluted Standard Toxin.

(iv) Dilute 1 ml of serum with 1 ml of diluent (1:2) and combine 1 ml of this solution with 10 L_o doses of diluted Standard Toxin.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 24 hours post-injection and record all deaths.

(5) Test Interpretation shall be as follows:

(i) If any mice inoculated with the mixture of 1 International Unit of Standard Antitoxin and 10 L_o doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with mixture of 1 International Unit of Standard Antitoxin and 10 L_+ doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of serum with 10 L_o doses of Standard Toxin die, the serum is considered to contain less than 2 International Units per ml, and the serial is unsatisfactory.

[39 FR 16865, May 10, 1974; 39 FR 20783, June 14, 1974. Redesignated at 39 FR 25463, July 11, 1974, and amended at 40 FR 759, Jan. 3, 1975; 40 FR 41088, Sept. 5, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66785, Dec. 26, 1991; 62 FR 31331, June 9, 1997]

§ 113.113 Autogenous biologics.

Autogenous biologics shall be prepared from cultures of microorganisms which have been inactivated and are nontoxic. Such products shall be prepared only for use by or under the direction of a veterinarian under a veterinarian-client-patient relationship, *Provided,* That, such products may be prepared for use under the direction of a person of appropriate expertise in specialized situations such as aquaculture, if approved by the Administrator.

Each serial of an autogenous biologic shall meet the requirements in this section, and if found unsatisfactory by any prescribed test shall not be used.

(a) *Seed requirements.* The microorganisms used as seed to prepare autogenous biologics shall be microorganisms which are isolated from sick or dead animals in the herd of origin and which there is reason to believe are the causative agent(s) of the current disease affecting such animals.

(1) More than one microorganism isolated from the same herd may be used as seed.

(2) Under normal circumstances, microorganisms from one herd shall not be used to prepare an autogenous biologic for another herd. The Administrator, however, may authorize preparation of an autogenous biologic for

use in herds adjacent to the herd of origin, when adjacent herds are considered to be at risk. The following information must be submitted to the Administrator by the establishment seeking authorization (in c/o the Director, Center for Veterinary Biologics, Inspection and Compliance, 510 South 17th Street, Suite 104, Ames, IA 50010–8197) to request authorization to prepare a product for use in herds adjacent to the herd of origin. (If any of the data are unavailable, the applicant for authorization should indicate that such data are unavailable and why.)

(i) Name, address, and phone number of the owner of the herd of origin.

(ii) Attending veterinarian's name, address, and phone number.

(iii) Animal species and number in herd of origin.

(iv) Identification of microorganism(s), at least to genus.

(v) Diagnosis or clinical signs of the disease observed.

(vi) Name and address of the person who isolated the microorganism(s) and the date of isolation.

(vii) Number of doses of autogenous biologic requested and vaccination schedule.

(viii) Each adjacent herd owner's name, address, and phone number.

(ix) Number of animals and species in each adjacent herd.

(x) The attending veterinarian's or approved specialist's assessment of the involvement of the adjacent herd(s) with the disease observed.

The applicant shall give notice to the State Veterinarian or other appropriate State Official in writing when an autogenous biologic is to be used in adjacent herds.

(3) The Administrator may authorize preparation of an autogenous biologic for use in herds which are not adjacent to the herd of origin, but which he or she considers to be at risk of infection with the same microorganism(s). Except as provided below, the same information which is required for preparation of such product for use in herds adjacent to the herd of origin must be submitted to the Administrator (in c/o the Director, Center for Veterinary Biologics, Inspection and Compliance, 510 South 17th Street, Suite 104, Ames, IA 50010–8197) for authorization to prepare a product for use in herds not adjacent to the herd of origin. Because the recipient herd involved may not be known when autogenous biologics are to be used in other geographic areas, the following data may be used in place of the data required in paragraphs (a)(2)(viii) and (a)(2)(ix) of this section.

(i) Names and addresses of practitioners in the area in place of the name, address, and phone number of the adjacent herd owner.

(ii) The geographic designations of the area involved.

(iii) A summary of the epidemiology of the disease situation that links the designated geographic areas with the herd of origin.

In addition, an applicant for authorization under this paragraph (a)(3) shall provide written approval from the State Veterinarian or other appropriate State Official in the State in which the autogenous biologic is to be used in nonadjacent herds.

(4) Under normal circumstances, microorganism(s) used for the production of autogenous biologics may not be older than 15 months from the date of isolation, or 12 months from the date of harvest of the first serial of product produced from the microorganism(s), whichever comes first. The Administrator, however, may authorize production of additional serials from microorganism(s) older than the above stated time periods, *Provided,* That, the person requesting such authorization submits the following supporting information to the address listed in paragraph (a)(3):

(i) The attending veterinarian's or approved specialist's current assessment of the continued involvement of a herd with the originally isolated microorganism(s), including a summary of the diagnostic work that has been done to support this assessment.

(ii) Evidence of satisfactory protection from the previous use of the autogenous biologic produced from the microorganisms involved.

(iii) Any other information the Administrator may require in order to determine the need to use the microorganism to make additional serials.

(b) *Restrictions.* Unless otherwise authorized by the Administrator, each serial of an autogenous biologic shall be subject to the following restrictions:

(1) Microorganisms used to prepare autogenous biologics shall not be maintained in the licensed establishment beyond the time authorized for use in production.

(2) The expiration date of the autogenous biologic shall not exceed 18 months from the date of harvest.

(c) *Testing requirements for autogenous biologics.* (1) Final container samples of completed product from the first serial or subserial of an autogenous biologic produced from an isolate shall be tested for purity as prescribed in § 113.26, and for safety as prescribed in § 113.33(b) or § 113.38 except that:

(i) When the number of final containers in a serial or subserial is 50 or less, two final container samples from each serial and subserial shall be tested as prescribed in § 113.26(b): *Provided,* That, 1 ml aliquots from each sample may be inoculated into five corresponding individual test vessels of each of the test media required.

(ii) Serials which are satisfactory after the third day of observation of purity test cultures and of safety test animals may be released for shipment to the customer and the tests continued throughout the required period; and

(iii) Serials released on the basis of satisfactory results of third day observations shall be immediately recalled if evidence of contamination occurs in test cultures or if any of the test animals used to demonstrate product safety, sicken, or die during the observation period.

(iv) Summaries of test results shall be submitted to APHIS in accordance with § 116.7 within 4 days after the completion of required testing.

(2) Each serial or subserial of autogenous bacterial product other than the first serial or subserial produced from an isolate shall meet the applicable general requirements prescribed in § 113.100 and the special requirements prescribed in this section. Each serial or subserial of autogenous viral product other than the first serial or subserial produced from an isolate shall meet the applicable general requirements prescribed in § 113.200 and the special requirements prescribed in this section. A serial or subserial found unsatisfactory by any prescribed test shall not be released.

(i) *Purity test.* Final container samples of completed product from each serial and subserial shall be tested for viable bacteria and fungi as provided in § 113.26. When the number of final containers in a serial or subserial is 50 or less, two final container samples from each serial and subserial shall be tested as prescribed in § 113.26(b): *Provided,* That, 1 ml aliquots from each sample may be inoculated into five corresponding individual test vessels of each of the test media required.

(ii) *Safety test.* Bulk of final container samples of completed product from each serial shall be tested for safety as provided in § 113.33 (b) or § 113.38.

(iii) *Identification.* All microorganisms used for the production of autogenous biologics shall be identified as follows: Bacteria, fungi, and mycoplasma shall be identified at least to genus and species. Viruses shall be identified at least to family. After 15 months from the date of isolation, or 12 months from the harvest date of the first serial of autogenous product produced from a microorganism, whichever comes first, characterization and identification shall be completed to strain and/or serotype before such microorganism may be used for production.

(iv) *Antigenicity, or immunogenicity, and potency.* Persons seeking authorization to prepare additional serials of autogenous biologics from microorganisms that are older than 24 months from the date of isolation, shall be required to conduct the following additional tests:

(A) Completed product shall be tested for antigenicity or immunogenicity in the species for which the product is recommended or in another animal species whose immunological response has been shown in the scientific literature to correlate with the response of the species for which the product is recommended. Such tests shall be conducted in accordance with a protocol developed by the licensee and approved by the Administrator and the results submitted to the Director, Center for

Veterinary Biologics, Licensing and Policy Development, 510 South 17th Street, Suite 104, Ames, IA 50010–8197 for review. Microorganisms not shown to be antigenic (that is, not shown to induce a significant serological response) or immunogenic by such approved tests shall not be used for the preparation of such product.

(B) Bulk or final container samples of completed product from each serial of such autogenous biologics containing fractions for which standard requirement potency test procedures have been established shall be tested for potency in accordance with applicable standard requirement potency tests provided in 9 CFR part 113. If the culture of microorganisms used to produce such fractions is shown to be of a different strain or serotype than the reagent or challenge microorganisms used in the standard requirement potency test, reagents or challenges of the same strain or serotype as the microorganism used for production may be used.

(C) If no standard requirement potency test procedures have been established for a fraction(s) in the autogenous biologic, such fraction(s) of each serial of product shall be tested for potency using a developmental potency test described in the filed outline of production or shall at least be standardized to contain an antigenic mass for such fraction(s) that has been shown to be antigenic or immunogenic in accordance with paragraph (c)(2)(iv)(A) of this section.

[57 FR 38756, Aug. 27, 1992, as amended at 59 FR 67616, Dec. 30, 1994; 64 FR 43044, Aug. 9, 1999]

§ 113.114 Tetanus Toxoid.

Tetanus Toxoid shall be produced from a culture of *Clostridium tetani* which has been inactivated and is nontoxic. The toxoid may be either absorbed, precipitated, or purified and concentrated. Each serial of biological product containing *tetanus toxoid* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial or subserial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency. A group of 10 guinea pigs consisting of an equal number of males and females weighing 450 to 550 grams shall each be injected subcutaneously with 0.4 of the largest dose recommended on the product labels.

(1) Six weeks after injection, all surviving guinea pigs shall be bled and equal portions of serum, but not less than 0.5 ml from each, shall be pooled. For a valid test, the pool shall contain the serum from at least eight animals.

(2) The antitoxin titer of the pooled serum shall be determined in antitoxin units (A.U.) per ml using an enzyme-linked immunosorbent assay method acceptable to the Animal and Plant Health Inspection Service.

(3) If the antitoxin titer of the serum pool is at least 2.0 A.U. per ml, the serial is satisfactory. If the antitoxin titer of the serum pool is less than 2.0 A.U. per ml, the serial may be retested by the following procedure: *Provided,* That, if the serial is not retested, it shall be declared unsatisfactory.

(4) For serials in which the serum pool contains less than 2.0 A.U. per ml, the individual serum that constituted the pool may be tested by the enzyme-linked immunosorbent assay. If at least 80 percent of the individual serums have an antitoxin titer of at least 2.0 A.U. per ml, the serial is satisfactory. If less than 80 percent of the individual serums have an antitoxin titer of at least 2.0 A.U. per ml, the serial may be retested in 10 guinea pigs using the procedure described in (c)(1) and (2) above. The antitoxin titer of the pooled serum from the guinea pigs used in the retest shall be averaged with the antitoxin level of the pooled serum from the initial test. If the average of the two pools is at least 2.0 A.U. per ml, the serial is satisfactory. If the average of the two pools is less than 2.0 A.U.

per ml, the serial is unsatisfactory and shall not be retested further.

[39 FR 16862, May 10, 1974, as amended at 46 FR 23224, Apr. 24, 1981; 50 FR 24905, June 14, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 37827, Aug. 9, 1991; 56 FR 66785, Dec. 26, 1991]

§ 113.115 Staphylococcus Aureus Bacterin-Toxoid.

Staphylococcus Aureus Bacterin-Toxoid shall be prepared from toxoided broth cultures of selected toxogenic strains of *Staphylococcus aureus* which has been inactivated and is nontoxic. Each serial of biological product containing Staphylococcus Aureus Bacterin-Toxoid shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product shall be tested for safety as provided in § 113.33(b). Also, the rabbits used in the potency test provided in paragraph (c) of this section shall constitute an additional safety test. If unfavorable reactions attributable to the product occur in any of the rabbits during the observation period, the serial is unsatisfactory.

(c) *Potency test.* Rabbits, each weighing 2000–3000 grams, shall be used as test animals. Either a five rabbit individual serum test or an eight rabbit pooled serum test shall be conducted. At the start of the test, individual serums from the five rabbits or pooled serums from the eight rabbits shall contain less than 0.2 alpha antitoxin units per ml.

(1) Each rabbit shall be given a series of not more than three intramuscular injections at 7 day intervals (1.0 ml, 2.0 ml, 3.0 ml) and observed from 7–14 days following the third injection. At the end of the observation period, a blood sample shall be taken from each rabbit.

(2) The sample of serum from each rabbit, if the five rabbit individual test is conducted or a pooled sample of equal quantities of serum from the rabbits if the eight rabbit pooled serum test is conducted, shall be tested to determine the staphylococcus alpha antitoxin units per ml as provided in paragraphs (c)(3), (4), (5), (6), (7), and (8) of this section.

(3) Inactivate rabbit serum 56° C for 30 minutes.

(4) Make serial twofold dilutions of the serum samples and conduct the test, using 1 ml of the serial dilutions. Appropriate controls should be included for accurate interpretations.

(5) Add 1 ml of the standardized toxin containing the established ''Lh'' dose. The ''Lh'' dose is the amount of toxin which when mixed with one unit of standard antitoxin produces a 50 percent hemolysis of rabbit red blood cells.

(6) Incubate toxin-antitoxin mixture at room temperature for 30 minutes and add 1 ml of a 1.5 percent suspension of washed freshly drawn rabbit red blood cells suspended in normal saline to each tube. Mix and incubate the combined product in a 37° C water bath for 1 hour. Refrigerate at 5° C overnight.

(7) Read the hemolysis produced and establish the 50 percent end point. The 50 percent end point of hemolysis should be established by determining the size of the button produced by the unlysed red blood cells.

(8) Determine the units of antitoxin per 1 ml of serum.

(9) If the individual samples from four of the five rabbits in the individual serum test or the pooled samples from the eight rabbits in the pooled serum test do not contain three alpha antitoxin units per ml, the serial is unsatisfactory.

[39 FR 16862, May 10, 1974. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.116 Pasteurella Multocida Bacterin, Avian Isolate, Type 4.

Pasteurella Multocida Bacterin, Avian Isolate, Type 4 shall be prepared from cultures of *Pasteurella multocida,* avian isolate, Type 4 (Little and Lyons classification), which have been inactivated, and are nontoxic. Each serial of biological product containing Pasteurella Multocida Bacterin, Avian

Isolate, Type 4, shall meet the applicable requirements in §113.100 and shall be tested for purity, safety, and potency, as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in 9 CFR 113.26.

(b) *Safety test.* Observation of the vaccinated turkeys during the prechallenge period of the potency test provided in paragraph (c) of this section shall constitute the safety test. If unfavorable reactions that are attributable to the product occur, the serial is unsatisfactory. If unfavorable reactions that are not attributable to the product occur in one turkey, test results shall be determined by observing the remaining 20 turkeys. The test is inconclusive and may be repeated if unfavorable reactions that are not attributable to the product occur in two or more turkeys, but the serial is unsatisfactory if the test is not repeated.

(c) *Potency test.* Bulk or final container samples of completed product shall be tested for potency of the Type 4 strain, using the two-stage test provided in this paragraph. Turkeys at least 6 weeks old obtained from the same source and hatch shall be properly identified and used as provided in this paragraph.

(1) *Vaccinates.* Each of not more than 21 turkeys shall be vaccinated with the dose and by the route recommended on the label. A second dose shall be given after 3 weeks and the turkeys observed for an additional 2-week prechallenge period.

(2) *Unvaccinated controls.* Each of not more than 11 turkeys shall be held as controls.

(3) *Challenge.* Not less than 14 days after the second dose, each of 20 vaccinates, and each of 10 unvaccinated controls shall be challenged intramuscularly with virulent *Pasteurella multocida,* Strain P–1662, Type 4 (Little and Lyons classification) and observed daily for a 14-day postchallenge period. Only dead birds shall be considered in evaluating the product.

(4) *Validity requirements.* Eight or more unvaccinated controls must die for the test to be valid. If this requirement is met, the potency test results are evaluated according to stage one of the following table. The test is inconclusive and may be repeated if the validity requirement is not met, but the serial is unsatisfactory if the test is not repeated.

Stage	Number of vaccinates	Cumulative number of vaccinates	Cummulative total number of dead vaccinates for——	
			Satisfactory serial	Unsatisfactory serial
1	20	20	6 or less	9 or more.
2	20	40	15 or less ...	16 or more.

(5) The serial shall pass or fail based on the stage one results of the potency test. However, the second stage may be conducted if seven or eight vaccinates die in stage one, but the serial is unsatisfactory if the second stage is not conducted.

(6) The second stage shall be conducted in a manner identical to the first stage. The serial shall be evaluated according to stage two of the table. On the basis of accumulated results from the data of both stage tests, a serial shall either pass or fail the second stage.

[47 FR 5795, Feb. 4, 1982; 47 FR 6817, Feb. 17, 1982, as amended at 52 FR 9117, Mar. 23, 1987. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§113.117 Pasteurella Multocida Bacterin, Avian Isolate, Type 1.

Pasteurella Multocida Bacterin, Avian Isolate, Type 1, shall be prepared from cultures of *Pasteurella multocida,* avian isolate, Type 1 (Little and Lyons classification), which have been inactivated and are nontoxic. Each serial of biological product containing Pasteurella Multocida Bacterin, Avian Isolate, Type 1, shall meet the applicable requirements in §113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in §113.26.

(b) *Safety test.* Observation of the vaccinated chickens during the prechallenged period of the potency test provided in paragraph (c) of this

section shall constitute the safety test. If unfavorable reactions that are attributable to the product occur, the serial is unsatisfactory. If unfavorable reactions that are not attributable to the product occur in one chicken, test results shall be determined by observing the remaining 20 chickens. The test is inconclusive and may be repeated if unfavorable reactions that are not attributable to the product occur in two or more chickens, but the serial is unsatisfactory if the test is not repeated.

(c) *Potency test.* Bulk or final container samples of completed product shall be tested for potency of the Type 1 strain, using the two-stage test provided in this paragraph. Chickens, at least 12 weeks of age, obtained from the same source and hatch, shall be properly identified and used as provided in this paragraph.

(1) *Vaccinates.* Each of not more than 21 chickens shall be injected with the dose and by the route recommended on the label. A second dose shall be injected after 3 weeks and the chickens observed for an additional 2 week prechallenge period.

(2) *Unvaccinated controls.* Each of not more than 11 chickens shall be held as controls.

(3) *Challenge.* Not less than 14 days after the second injection, each of 20 vaccinates, and each of 10 unvaccinated controls shall be challenged intramuscularly with a minimum of 250 colony-forming units of virulent *Pasteurella multocida,* Strain X–73, Type 1 (Little and Lyons classification) and observed daily for a 14-day postchallenge period. Only dead birds shall be considered in evaluating the product.

(4) *Validity requirements.* Eight or more unvaccinated controls must die for the test to be valid. If these requirement are met, the potency test results are evaluated according to stage one of the following table. The test is inconclusive and may be repeated if the validity requirements are not met, but the serial is unsatisfactory if the test is not repeated.

Stage	Number of vaccinates	Cumulative number of vaccinates	Cummulative total number of dead vaccinates for——	
			Satisfactory serial	Unsatisfactory serial
1	20	20	6 or less	9 or more.
2	20	40	15 or less ..	16 or more.

(5) The serial shall pass or fail based on the stage one results of the potency test. However, the second stage may be conducted if seven or eight vaccinates die in stage one, but the serial is unsatisfactory if the second stage is not conducted.

(6) The second stage shall be conducted in a manner identical to the first stage. The serial shall be evaluated according to stage two of the table. On the basis of accumulated results from the data of both stage tests, a serial shall either pass or fail the second stage.

[39 FR 16866, May 10, 1974; 39 FR 20368, June 10, 1974, as amended at 40 FR 759, Jan. 3, 1975; 40 FR 23989, June 4, 1975; 47 FR 5195, Feb. 4, 1982; 52 FR 9118, Mar. 23, 1987. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.118 Pasteurella Multocida Bacterin, Avian Isolate, Type 3.

Pasteurella Multocida Bacterin, Avian Isolate, Type 3, shall be prepared from culture of *Pasteurella multocida,* avian isolate, Type 3 (Little and Lyons classification), which have been inactivated and are nontoxic. Each serial of biological product containing Pasteurella Multocida Bacterin, Avian Isolate, Type 3, shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency, as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Observation of the vaccinated turkeys during the prechallenge period of the potency test provided in paragraph (c) of this section shall constitute the safety test. If unfavorable reactions that are attributable to the product occur, the serial

is unsatisfactory. If unfavorable reactions that are not attributable to the product occur in one turkey, test results shall be determined by observing the remaining 20 turkeys. The test is inconclusive and may be repeated if unfavorable reactions that are not attributable to the product occur in two or more turkeys, but the serial is unsatisfactory if the test is not repeated.

(c) *Potency test.* Bulk or final container samples of completed product shall be tested for potency of the Type 3 strain, using the two-stage test provided in this paragraph. Turkeys, at least 6 weeks of age, obtained from the same source and hatch, shall be properly identified and used as provided in this paragraph.

(1) *Vaccinates.* Each of not more than 21 turkeys shall be injected with the dose and by the route recommended on the label. A second dose shall be injected after 3 weeks and the turkeys observed for an additional 2 week prechallenge period.

(2) *Unvaccinated controls.* Each of not more than 11 turkeys shall be held as controls.

(3) *Challenge.* Not less than 14 days after the second injection, each of 20 vaccinates, and each of 10 unvaccinated controls shall be challenged intramuscularly with a minimum of 150 colony-forming units of virulent *Pasteurella multocida,* Strain P–1059, Type 3 (Little and Lyons Classification) and observed daily for a 14-day postchallenge period. Only dead birds shall be considered in evaluating the product.

(4) *Validity requirements.* Eight or more unvaccinated controls must die for the test to be valid. If these requirements are met, the potency test results are evaluated according to stage one of the following table. The test is inconclusive and may be repeated if the validity requirements are not met, but the serial is unsatisfactory if the test is not repeated.

Stage	Number of vaccinates	Cumulative number of vaccinates	Cummulative total number of dead vaccinates for——	
			Satisfactory serial	Unsatisfactory serial
1	20	20	6 or less	9 or more.
2	20	40	15 or less ...	16 or more.

(5) The serial shall pass or fail based on the stage one results of the potency test. However, the second stage may be conducted if seven or eight vaccinates die in stage one, but the serial is unsatisfactory if the second stage is not conducted.

(6) The second stage shall be conducted in a manner identical to the first stage. The serial shall be evaluated according to stage two of the table. On the basis of accumulated results from the data of both stage tests, a serial shall either pass or fail the second stage.

[39 FR 16862, May 10, 1974, as amended at 40 FR 759, Jan. 3, 1975; 47 FR 5196, Feb. 4, 1982; 52 FR 9118, Mar. 23, 1987. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.119 Erysipelothrix Rhusiopathiae Bacterin.

Erysipelothrix Rhusiopathiae Bacterin shall be produced from a culture of *Erysipelothrix rhusiopathiae* which has been inactivated and is nontoxic. Each serial of biological product containing *Erysipelothrix rhusiopathiae* shall meet the applicable requirements in §113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in §113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in §113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the mouse protection test provided in this paragraph. A mouse dose shall be ⅒ of the least dose recommended on the label for swine. Such swine dose shall not be less than 1 ml.

(1) The ability of the bacterin being tested (Unknown) to protect mice shall be compared with a Standard Reference Bacterin (Standard) which is either supplied by or acceptable to Animal and Plant Health Inspection Service.

(2) At least three threefold dilutions shall be made with the Standard and the same threefold dilutions shall be made for each Unknown. Dilutions shall be made with physiological saline solution.

(3) For each dilution of the Standard and each dilution of an Unknown, a group of at least 20 mice, each weighing 16 to 22 grams, shall be used. Each mouse in each group shall be injected subcutaneously with one mouse dose of the appropriate dilution.

(4) Each of 20 injected mice from each group shall be challenged subcutaneously 14 to 21 days after being injected. A dose containing at least 100 mouse LD_{50} of a suitable culture of *Erysipelothrix rhusiopathiae* shall be used. All survivors in each group of mice shall be recorded 10 days postchallenge.

(5) Test for valid assay: At least two dilutions of the Standard shall protect more than 0 percent and two dilutions shall protect less than 100 percent of the mice injected. The lowest dilution of the Standard shall protect more than 50 percent of the mice. The highest dilution of the Standard shall protect less than 50 percent of the mice.

(6) The relative potency (RP) of the Unknown is determined by comparing the 50 percent endpoint dilution (highest bacterin dilution protecting 50 percent of the mice) of the Unknown with that of the standard by the following formula:

$$RP = \frac{\text{reciprocal of 50 percent endpoint dilution of Unknown}}{\text{reciprocal of 50 percent endpoint dilution of Standard}}$$

(7) If the RP of the Unknown is less than 0.6, the serial being tested is unsatisfactory.

(8) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the lowest dilution does not exceed 50 percent protection, that serial may be retested in a manner identical to the initial test: *Provided,* That, if the Unknown is not retested or if the protection provided by the lowest dilution of the Standard exceeds the protection provided by the lowest dilution of the Unknown by six mice or more; or, if the total number of mice protected by the Standard exceeds the total number of mice protected by the Unknown by eight mice or more, the serial is unsatisfactory.

(9) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the highest dilution exceeds 50 percent protection, the Unknown is satisfactory without additional testing.

(10) If the RP is less than 0.6, the serial may be retested by conducting two independent replicate tests in a manner identical to the initial test. The average of the RP values obtained in the retests shall be determined. If the average RP is less than 0.6, the serial is unsatisfactory without further testing. If the average RP obtained in the retests is equal to or greater than 0.6, the following shall apply:

(i) If the RP obtained in the original test is one-third or less than the average RP obtained in the retests, the initial RP may be considered a result of test system error and the serial is satisfactory for potency.

(ii) If the RP value obtained in the original test is more than one-third the average RP obtained in the retests, a new average shall be determined using the RP values obtained in all tests. If the new average is less than 0.6, the serial is unsatisfactory.

[39 FR 16862, May 10, 1974, as amended at 40 FR 759, Jan. 3, 1975; 40 FR 20067, May 8, 1975; 40 FR 51414, Nov. 5, 1975; 44 FR 71408, Dec. 11, 1979; 50 FR 23795, June 6, 1985; 51 FR 23731, July 1, 1986. Redesignated at 55 FR 35562, Aug. 31, 1990; 56 FR 66558, Dec. 24, 1991; 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.120 Salmonella Typhimurium Bacterin.

Salmonella Typhimurium Bacterin shall be prepared from a culture of *Salmonella typhimurium* which has been inactivated and is nontoxic. Each serial of biological product containing *Salmonella typhimurium* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the mouse test provided in this paragraph. A mouse dose shall be 1/20 of the least dose recommended on the label for other animals which shall not be less than 2 ml.

(1) The ability of the bacterin being tested (Unknown) to protect mice shall be compared with a Standard Reference Bacterin (Standard) which is either supplied by or acceptable to Animal and Plant Health Inspection Service.

(2) At least three tenfold dilutions shall be made with the Standard and the same tenfold dilutions shall be made for each Unknown. The dilutions shall be made in Phosphate Buffered Saline.

(3) For each dilution of the Standard and each dilution of an Unknown, a group of at least 20 mice, each weighing 16-22 grams, shall be used. Each mouse in a group shall be injected intraperitoneally with one mouse dose of the appropriate dilution. Each mouse shall be revaccinated on day 14, using the same schedule.

(4) Each of 20 vaccinated mice per group shall be challenged intraperitoneally 7–10 days after the second vaccination with a 0.25 ml dose containing 100-10,000 mouse LD_{50} as determined by titration, of a suitable culture of *Salmonella typhimurium.* All survivors in each group of mice shall be recorded 14 days postchallenge.

(5) Test for valid assay: At least two dilutions of the Standard shall protect more than 0 percent and two dilutions shall protect less than 100 percent of the mice injected. The lowest dilution of the Standard shall protect more than 50 percent of the mice. The highest dilution of the Standard shall protect less than 50 percent of the mice.

(6) The relative potency (RP) of the Unknown is determined by comparing the 50 percent endpoint dilution (highest bacterin dilution protecting 50 percent of the mice) of the Unknown with that of the Standard by the following formula:

$$RP = \frac{\text{reciprocal of 50 percent endpoint dilution of Unknown}}{\text{reciprocal of 50 percent endpoint dilution of Standard}}$$

(7) If the RP of the Unknown is less than 0.30, the serial being tested is unsatisfactory.

(8) If the 50 percent endpoint of an Unknown cannot be calculated because the lowest dilution does not exceed 50 percent protection, that serial may be retested in a manner identical to the initial test; *Provided,* That, if the Unknown is not retested or if the protection provided by the lowest dilution of the Unknown by six mice or more; or, if the total number of mice protected by the Standard exceeds the total number of mice protected by the Unknown by eight mice or more, the serial being tested is unsatisfactory.

(9) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the highest dilution exceeds 50 percent protection, the Unknown is satisfactory without additional testing.

(10) If the RP is less than the minimum required in paragraph (c)(7) of this section, the serial may be retested by conducting two independent replicate tests in a manner identical to the initial test. The average of the RP values obtained in the retests shall be determined. If the average RP is less than the required minimum, the serial is unsatisfactory. If the average RP obtained in the retests is equal to or greater than the required minimum, the following shall apply:

(i) If the RP obtained in the original test is one-third or less than the average RP obtained in the retests, the initial RP may be considered a result of test system error and the serial is satisfactory.

(ii) If the RP value obtained in the original test is more than one-third the average RP obtained in the retests, a new average shall be determined using the RP values obtained in all tests. If the new average is less than the minimum required in paragraph (c)(7) of

this section, the serial is unsatisfactory.

[40 FR 17003, Apr. 16, 1975, as amended at 42 FR 59487, Nov. 18, 1977; 48 FR 31008, July 6, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.121 Pasteurella Multocida Bacterin.

Pasteurella Multocida Bacterin shall be prepared from a culture of *Pasteurella multocida* strains other than avian which have been inactivated and are nontoxic. Each serial of biological product containing *Pasteurella multocida* fraction shall meet the applicable requirements in § 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product from each serial and each subserial shall be tested for viable bacteria and fungi as provided in § 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in § 113.33(b). The subcutaneous route is to be used.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the mouse test provided in this paragraph. A mouse dose shall be 1/20 of the least dose recommended on the label for other animals which shall not be less than 2 ml.

(1) The ability of the bacterin being tested (Unknown) to protect mice shall be compared with a Standard Reference Bacterin (Standard) which is either supplied by or acceptable to Animal and Plant Health Inspection Service.

(2) At least three fivefold dilutions shall be made with the Standard and the same fivefold dilutions shall be made for each Unknown. The dilutions will be made in Phosphate Buffered Saline.

(3) For each dilution of the Standard and each dilution of each Unknown, a group of at least 20 mice, each weighing 16–22 grams, shall be used. Each mouse in a group shall be injected intraperitoneally with one mouse dose of the appropriate dilution. Each mouse shall be revaccinated on day 14, using the same schedule.

(4) Each of 20 injected mice per group shall be challenged intraperitoneally 10–12 days after the second vaccination with a 0.2 ml dose containing 100–10,000 mouse $LD_{50,}$, as determined by titration, of a suitable culture of *Pasteurella multocida*. All survivors in each group of mice shall be recorded 10 days postchallenge.

(5) Test for valid assay: At least two dilutions of the Standard shall protect more than 0 percent and two dilutions shall protect less than 100 percent of the mice injected. The lowest dilution of the Standard shall protect more than 50 percent of the mice. The highest dilution of the Standard shall protect less than 50 percent of the mice.

(6) The relative potency (RP) of the Unknown is determined by comparing the 50 percent endpoint dilution (highest bacterin dilution protecting 50 percent of the mice) of the Unknown with that of the Standard by the following formula:

$$RP = \frac{\text{reciprocal of 50 percent endpoint dilution of Unknown}}{\text{reciprocal of 50 percent endpoint dilution of Standard}}$$

(7) If the RP of the Unknown is less than 0.50, the serial being tested is unsatisfactory.

(8) If the 50 percent endpoint of an Unknown cannot be calculated because the lowest dilution does not exceed 50 percent protection, that serial may be retested in a manner identical to the initial test: *Provided,* That, if the Unknown is not retested or if the protection provided by the lowest dilution of the Standard exceeds the protection provided by the lowest dilution of the Unknown by six mice or more; or, if the total number of mice protected by the Standard exceeds the total number of mice protected by the Unknown by eight mice or more, the serial being tested is unsatisfactory.

(9) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the highest dilution exceeds 50 percent protection, the Unknown is satisfactory without additional testing.

(10) If the RP is less than the minimum required in paragraph (c)(7) of this section, the serial may be retested by conducting two independent replicate tests in a manner identical to the initial test. The average of the RP values obtained in the retests shall be determined. If the average RP is less than the required minimum, the serial is unsatisfactory. If the average RP obtained in the retests is equal to or greater than the required minimum, the following shall apply:

(i) If the RP obtained in the original test is one-third or less than the average RP obtained in the retests, the initial RP may be considered a result of test system error and the serial is satisfactory.

(ii) If the RP value obtained in the original test is more than one-third the average RP obtained in the retests, a new average shall be determined using the RP values obtained in all tests. If the new average is less than the minimum required in paragraph (c)(7) of this section, the serial is unsatisfactory.

[40 FR 17004, Apr. 16, 1975, as amended at 42 FR 59487, Nov. 18, 1977; 48 FR 31008, July 6, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66785, Dec. 26, 1991]

§ 113.122 Salmonella Choleraesuis Bacterin.

Salmonella Choleraesuis Bacterin shall be prepared from a culture of *Salmonella choleraesuis* which has been inactivated and is nontoxic. Each serial of biological product containing *Salmonella choleraesuis* fraction shall meet the applicable requirements in 9 CFR 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in 9 CFR 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in 9 CFR 113.33(b). The subcutaneous route shall be used when the product is in combination with Pasteurella Multocida Bacterin.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the mouse test provided in this paragraph. A mouse dose shall be 1/20 of the least dose recommended on the label for other animals which shall not be less than 2 ml.

(1) The ability of the bacterin being tested (Unknown) to protect mice shall be compared with a Standard Reference Bacterin (Standard) which is either supplied by or acceptable to Veterinary Services.

(2) At least three fivefold dilutions shall be made with the Standard and the same fivefold dilution shall be made for each Unknown. The dilutions shall be made in Phosphate-Buffered Saline.

(3) For each dilution of the Standard and each dilution of an Unknown, a group of at least 20 mice, each weighing 16 to 22 grams, shall be used. Each mouse in a group shall be injected intraperitoneally with one mouse dose of the appropriate dilution. Each mouse shall be revaccinated on day 14, using the same schedule.

(4) Each of 20 vaccinated mice per group shall be challenged intraperitoneally 7 to 10 days after the second vaccination with a 0.25 ml dose containing 10–1,000 mouse LD_{50} as determined by titration of a suitable culture of *Salmonella choleraesuis.* All survivors in each group of mice shall be recorded 14 days postchallenge.

(5) Test for valid assay: At least two dilutions of the Standard shall protect more than 0 percent and two dilutions shall protect less than 100 percent of the mice injected. The lowest dilution of the Standard shall protect more than 50 percent of the mice. The highest dilution of the Standard shall protect less than 50 percent of the mice.

(6) The relative potency (RP) of the Unknown is determined by comparing the 50 percent endpoint dilution (highest bacterin dilution protecting 50 percent of the mice) of the Unknown with that of the Standard by the following formula:

$$RP = \frac{\text{reciprocal of 50 percent endpoint dilution of Unknown}}{\text{reciprocal of 50 percent endpoint dilution of Standard}}$$

(7) If the RP of the Unknown is less than 0.50, the serial being tested is unsatisfactory.

(8) If the 50 percent endpoint of an Unknown cannot be calculated because the lowest dilution does not exceed 50 percent protection, that serial may be retested in a manner identical to the initial test; *Provided,* That, if the Unknown is not retested or if the protection provided by the lowest dilution of the Standard exceeds the protection provided by the lowest dilution of the Unknown by six mice or more; or, if the total number of mice protected by the Standard exceeds the total number of mice protected by the Unknown by eight mice or more, the serial being tested is unsatisfactory.

(9) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the highest dilution exceeds 50 percent protection, the Unknown is satisfactory without additional testing.

(10) If the RP is less than the minimum required in paragraph (c)(7) of this section, the serial may be retested by conducting two independent replicate tests in a manner identical to the initial test. The average of the RP values obtained in the retests shall be determined. If the average RP is less than the required minimum, the serial is unsatisfactory. If the average RP obtained in the retests is equal to or greater than the required minimum, the following shall apply:

(i) If the RP obtained in the original test is one-third or less than the average RP obtained in the retests, the initial RP may be considered a result of test system error and the serial is satisfactory.

(ii) If the RP value obtained in the original test is more than one-third the average RP obtained in the retests, a new average shall be determined using the RP values obtained in all tests. If the new average is less than the minimum required in paragraph (c)(7) of this section, the serial is unsatisfactory.

[43 FR 25077, June 9, 1978, as amended at 48 FR 31008, July 6, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

§ 113.123 Salmonella Dublin Bacterin.

Salmonella Dublin Bacterin shall be prepared from a culture of *Salmonella dublin* which has been inactivated and is nontoxic. Each serial of biological product containing *Salmonella dublin* fraction shall meet the applicable requirements in 9 CFR 113.100 and shall be tested for purity, safety, and potency as prescribed in this section. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as provided in 9 CFR 113.26.

(b) *Safety test.* Bulk or final container samples of completed product from each serial shall be tested for safety as provided in 9 CFR 113.33(b).

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency using the mouse test provided in this paragraph. A mouse dose shall be 1/20 of the least dose recommended on the label for other animals which shall not be less than 2 ml.

(1) The ability of the bacterin being tested (Unknown) to protect mice shall be compared with a Standard Reference Bacterin (Standard) which is either supplied by or acceptable to Veterinary Services.

(2) At least three tenfold dilutions shall be made with the Standard and the same tenfold dilutions shall be made for each Unknown. The dilutions shall be made in Phosphate-Buffered Saline.

(3) For each dilution of the Standard and each dilution of an Unknown, a group of at least 20 mice, each weighing 16 to 22 grams, shall be used. Each mouse in a group shall be injected intraperitoneally with one mouse dose of the appropriate dilution. Each mouse shall be revaccinated on day 14, using the same schedule.

(4) Each of 20 vaccinated mice per group shall be challenged intraperitoneally 7 to 10 days after the

second vaccination with a 0.25 ml dose containing 1,000–100,000 mouse LD_{50} as determined by titration of a suitable culture of *Salmonella dublin*. All survivors in each group of mice shall be recorded 14 days postchallenge.

(5) Test for valid assay: At least two dilutions of the Standard shall protect more than 0 percent and two dilutions shall protect less than 100 percent of the mice injected. The lowest dilution of the Standard shall protect more than 50 percent of the mice. The highest dilution of the Standard shall protect less than 50 percent of the mice.

(6) The relative potency (RP) of the Unknown is determined by comparing the 50 percent endpoint dilution (highest bacterin dilution protecting 50 percent of the mice) of the Unknown with that of the Standard by the following formula:

$$RP = \frac{\text{reciprocal of 50 percent endpoint dilution of Unknown}}{\text{reciprocal of 50 percent endpoint dilution of Standard}}$$

(7) If the RP of the Unknown is less than 0.30, the serial being tested is unsatisfactory.

(8) If the 50 percent endpoint of an Unknown cannot be calculated because the lowest dilution does not exceed 50 percent protection, that serial may be retested in a manner identical to the initial test; *Provided,* That, if the Unknown is not retested or if the protection provided by the lowest dilution of the Standard exceeds the protection provided by the lowest dilution of the Unknown by six mice or more; or, if the total number of mice protected by the Standard exceeds the total number of mice protected by the Unknown by eight mice or more, the serial being tested is unsatisfactory.

(9) If the 50 percent endpoint of an Unknown in a valid test cannot be calculated because the highest dilution exceeds 50 percent protection, the Unknown is satisfactory without additional testing.

(10) If the RP is less than the minimum required in paragraph (c)(7) of this section, the serial may be retested by conducting two independent replicate tests in a manner identical to the initial test. The average of the RP values obtained in the retests shall be determined. If the average RP is less than the required minimum, the serial is unsatisfactory. If the average RP obtained in the retests is equal to or greater than the required minimum, the following shall apply:

(i) If the RP obtained in the original test is one-third or less than the average RP obtained in the retests, the initial RP may be considered a result of test system error and the serial is satisfactory.

(ii) If the RP value obtained in the original test is more than one-third the average RP obtained in the retests, a new average shall be determined using the RP values obtained in all tests. If the new average is less than the minimum required in paragraph (c)(7) of this section, the serial is unsatisfactory.

[43 FR 25077, June 9, 1978, as amended at 48 FR 31009, July 6, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66785, Dec. 26, 1991]

KILLED VIRUS VACCINES

§ 113.200 General requirements for killed virus vaccines.

When prescribed in an applicable Standard Requirement or in the filed Outline of Production, a killed virus vaccine shall meet the applicable requirements in this section.

(a) *Killing Agent.* The vaccine virus shall be killed (inactivated) by an appropriate agent. The procedure involved may be referred to as inactivation. Suitable tests to assure complete inactivation shall be written into the filed Outline of Production.

(b) *Cell Culture Requirements.* If cell cultures are used in the preparation of the vaccine, primary cells shall meet the requirements in §113.51 and cell lines shall meet the requirements in §113.52.

(c) *Purity Tests.* (1) *Bacteria and fungi.* Final container samples of completed product from each serial shall be tested as prescribed in §113.26.

(2) *Avian Origin Vaccine.* Bulk pooled material or final container samples from each serial shall also be tested for:

(i) *Salmonella* contamination as prescribed in §113.30; and

(ii) *Lymphoid leukosis virus* contamination as prescribed in § 113.31; and

(iii) *Hemagglutinating viruses* as prescribed in § 113.34.

(3) *Mycoplasma.* If the licensee cannot demonstrate that the agent used to kill the vaccine virus would also kill mycoplasma, each serial of the vaccine shall be tested for mycoplasma as prescribed in § 113.28, prior to adding the killing agent. Material found to contain mycoplasma is unsatisfactory for use.

(4) *Extraneous viruses.* Each lot of Master Seed Virus used to prepare killed virus vaccine recommended for animals other than poultry shall meet the requirements for extraneous viruses as prescribed in § 113.55.

(d) *Safety Tests.* Final container samples of completed product from each serial shall be tested for safety in guinea pigs as prescribed in § 113.38 and for safety in mice as prescribed in § 113.33: *Provided,* That, vaccines recommended for use only in poultry are exempt from this requirement.

(e) *Viricidal Activity Test.* Only serials tested for viricidal activity in accordance with the test provided in § 113.35 and found satisfactory by such test shall be packaged as diluent for desiccated fractions in combination packages.

(f) *Formaldehyde content.* If formaldehyde is used as the killing agent, the residual free formaldehyde content shall not exceed the equivalent of 0.2 percent formaldehyde solution (740 parts per million formaldehyde).

[39 FR 27428, July 29, 1974, as amended at 40 FR 23989, June 4, 1975; 43 FR 49528, Oct. 24, 1978. Redesignated at 55 FR 35562, Aug. 31, 1990]

§ 113.201 Canine Distemper Vaccine, Killed Virus.

Canine Distemper Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.200.

(b) The immunogenicity of vaccine prepared from the Master Seed Virus in accordance with the Outline of Production shall be established. Vaccine used for this test shall be at the highest passage from the Master Seed and prepared at the minimum preinactivation titer specified in the Outline of Production.

(1) Twenty-five canine distemper susceptible dogs (20 vaccinates and 5 controls) shall be used as test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine distemper to determine susceptibility. A constant virus-varying serum neutralization test in cell culture using 50 to 300 $TCID_{50}$ of virus shall be used. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(i) The 20 dogs used as vaccinates shall be injected with one dose of vaccine by the method recommended on the label. If a second dose is recommended, the second dose shall be administered at the time specified on the label.

(ii) At least 14 days after the last inoculation, the vaccinates and controls shall each be challenged intracerebrally with canine distemper virus furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 21 days.

(iii) If at least four of the five controls do not die and the survivor, if any, does not show clinical signs of canine distemper, the test is inconclusive and may be repeated.

(iv) If at least 19 of the 20 vaccinated do not survive without showing clinical signs of canine distemper during the observation period, the Master Seed Virus is unsatisfactory.

(c) *Test requirements for release.* Each serial shall meet the applicable general requirements prescribed in § 113.200 and the special requirements for safety and potency provided in this section.

(1) *Safety test.* The vaccinates used in the potency test in paragraph (c)(2) of this section shall be observed each day during the postvaccination observation period. If unfavorable reactions occur which are attributable to the vaccine,

the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial is unsatisfactory.

(2) *Potency test—serum neutralization test.* Bulk or final container samples of completed product shall be tested for potency using five susceptible dogs (four vaccinates and one control) as the test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine distemper virus to determine susceptibility.

(i) A constant virus-varying serum neutralization test in tissue culture using 50 to 300 $TCID_{50}$ of virus shall be used. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(ii) *Vaccination.* Each of the four vaccinates shall be injected as recommended on the label. If two doses are recommended, the second dose shall be administered at the time specified on the label. The dogs shall be observed each day for at least 14 days after the last inoculation.

(iii) *Serology.* At the end of the post vaccination observation period, a second blood sample shall be obtained from each of the five dogs and the serums shall be individually tested for neutralizing antibody against canine distemper virus in the same manner used to determine susceptibility.

(iv) *Interpretation of the serum neutralization test.* If the control has not remained seronegative at 1:2, the test is inconclusive and may be repeated. If at least three of the four vaccinates in a valid test have not developed titers based upon a final serum dilution of at least 1:50 and the remaining vaccinate has not developed a titer of at least 1:25, the serial is unsatisfactory except as provided in paragraphs (c)(2)(v) and (vi) of this section.

(v) *Virus challenge test.* If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and the control may be challenged intracerebrally with a virulent canine distemper virus furnished or approved by the Animal and Plant Health Inspection Service and each animal observed each day for an additional 21 days.

(vi) *Interpretation of the virus challenge test.* For a serial to be satisfactory, all vaccinates must remain free from clinical signs of canine distemper while the control must die of canine distemper. If the control does not die of canine distemper, the test is inconclusive and may be repeated except, that if any of the vaccinates show signs or dies of canine distemper, the serial is unsatisfactory.

[60 FR 14359, Mar. 17, 1995]

§ 113.202 Canine Hepatitis and Canine Adenovirus Type 2 Vaccine, Killed Virus.

Canine Hepatitis and Canine Adenovirus Type 2 Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in § 113.200.

(b) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity by one or both of the following methods. Vaccine used for these tests shall be at the highest passage from the Master Seed and prepared at the minimum preinactivation titer specified in the Outline of Production.

(1) *Immunogenicity for canine hepatitis.* Twenty-five canine hepatitis susceptible dogs shall be used as test animals (20 vaccinates and 5 controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test using 50 to 300 $TCID_{50}$ of canine adenovirus.

(i) The 20 dogs to be used as vaccinates shall be injected with one dose of vaccine and the remaining five dogs held as controls. If a second dose is recommended, the second dose shall be administered at the time specified on the label.

(ii) Not less than 14 days after the last inoculation, each vaccinate and control shall be challenged intravenously with virulent infectious canine hepatitis virus furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 14 days.

(iii) If at least four of the five controls do not show severe clinical signs of infectious canine hepatitis, the test is inconclusive and may be repeated.

(iv) If at least 19 of the 20 vaccinates do not survive without showing clinical signs of infectious canine hepatitis during the observation period, the Master Seed Virus is unsatisfactory.

(2) *Immunogenicity for canine adenovirus type 2.* Thirty canine adenovirus type 2 susceptible dogs shall be used as test animals (20 vaccinates and 10 controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test using 50 to 300 $TCID_{50}$ of canine adenovirus.

(i) The 20 dogs to be used as vaccinates shall be injected with one dose of vaccine and the remaining 10 dogs held as controls. If a second dose is recommended, the second dose shall be administered at the time specified on the label.

(ii) Not less than 14 days after the last inoculation, the vaccinates and the controls shall be challenged by exposure to a nebulized aerosol of virulent canine adenovirus type 2 furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence of respiratory or other clinical signs of canine adenovirus type 2 noted and recorded each day.

(iii) If at least 6 of 10 controls do not show clinical signs of canine adenovirus type 2 infection other than fever, the test is inconclusive and may be repeated.

(iv) If a significant difference in clinical signs in a valid test cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service, the Master Seed Virus is unsatisfactory.

(c) *Test requirements for release.* Each serial shall meet the applicable general requirements prescribed in §113.200, the special requirements for safety provided in this section, and the applicable potency tests provided in this section.

(1) *Safety test.* The vaccinates used in the potency test in paragraph (c)(2) and/or (c)(3) of this section shall be observed each day during the postvaccination observation period. If unfavorable reactions occur which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated: *Provided,* That, if not repeated, the serial is unsatisfactory.

(2) *Potency test for canine hepatitis—serum neutralization test.* Bulk or final container samples of completed product shall be tested for potency using at least five susceptible dogs (four vaccinates and one control) as the test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine adenovirus to determine susceptibility.

(i) A constant virus-varying serum neutralization test in tissue culture using 50 to 300 $TCID_{50}$ of virus shall be used. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(ii) *Vaccination.* Each of the vaccinates shall be injected as recommended on the label. If two doses are recommended, the second dose shall be administered at the time specified on the label. The dogs shall be observed each day for at least 14 days after the last inoculation.

(iii) *Serology.* At the end of the postvaccination observation period, a second blood sample shall be obtained from each of the dogs and the serums shall be individually tested for neutralizing antibody against canine adenovirus in the same manner used to determine susceptibility.

(iv) *Interpretation of the serum neutralization test.* If the control(s) has not remained seronegative at 1:2, the test is inconclusive and may be repeated. If at

least 75 percent of the vaccinates in a valid test have not developed titers based upon final serum dilution of at least 1:10 and the remaining vaccinate(s) has not developed a titer of at least 1:2, the serial is unsatisfactory except as provided in paragraphs (c)(2)(v) and (vi) of this section.

(v) *Virus challenge test.* If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and the control(s) may be challenged intravenously with a virulent canine hepatitis virus furnished or approved by the Animal and Plant Health Inspection Service and each animal observed each day for an additional 14 days.

(vi) *Interpretation of the virus challenge test.* For a serial to be satisfactory, all vaccinates must remain free of clinical signs of canine hepatitis while the control(s) must show severe clinical signs of canine hepatitis. If the control(s) does not show severe clinical signs of canine hepatitis, the test is inconclusive and may be repeated: *Provided,* That, if any of the vaccinates show signs or die of canine hepatitis, the serial is unsatisfactory.

(3) *Potency test for canine adenovirus type 2.* Bulk or final container samples of completed product shall be tested for potency using eight susceptible dogs (five vaccinates and three controls) as the test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine adenovirus to determine susceptibility.

(i) A constant virus-varying serum neutralization test in tissue culture using 50 to 300 $TCID_{50}$ of virus shall be used. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(ii) *Vaccination.* Each of the five vaccinates shall be injected as recommended on the label. If two doses are recommended, the second dose shall be administered at the time specified on the label. The dogs shall be observed each day for at least 14 days after the last inoculation.

(iii) Not less than 14 days after the last inoculation, the vaccinates and the controls shall be challenged by exposure to a nebulized aerosol of virulent canine adenovirus type 2 furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence of respiratory or other clinical signs of canine adenovirus type 2 noted and recorded each day.

(iv) If at least two of three controls do not show clinical signs of canine adenovirus type 2 other than fever, the test is inconclusive and may be repeated.

(v) If a significant difference in clinical signs cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service and prescribed in the Outline of Production, the serial is unsatisfactory.

[60 FR 14359, Mar. 17, 1995]

§ 113.203 Feline Panleukopenia Vaccine, Killed Virus.

Feline Panleukopenia Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed. The Master Seed shall meet the applicable requirements prescribed in §113.200. Each serial shall meet the applicable general requirements prescribed in §113.200 and the special requirements for safety and potency provided in this section.

(a) *Safety test.* The vaccinates used in the potency test in paragraph (b) of this section shall be observed each day during the postvaccination observation period. If unfavorable reactions occur which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated: *Provided,* That, if not repeated, the serial is unsatisfactory.

(b) *Potency test—serum-neutralization test.* Bulk or final container samples of completed product shall be tested for potency using five susceptible cats (four vaccinates and one control) as the test animals. Blood samples drawn from each cat shall be individually tested for neutralizing antibody

against feline panleukopenia virus to determine susceptibility.

(1) A constant virus-varying serum neutralization test in tissue culture using 100 to 300 $TCID_{50}$ of virus shall be used. Cats shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(2) *Vaccination.* Each of the four vaccinates shall be injected as recommended on the label. If two doses are recommended, the second dose shall be given 7 to 10 days after the first dose and the cats observed each day for 14 to 21 days.

(3) *Serology.* At the end of the postvaccination observation period, a second blood sample shall be obtained from each of the five cats and the serums shall be individually tested for neutralizing antibody against feline panleukopenia virus in the same manner used to determine susceptibility.

(4) *Interpretation of the SN test.* (i) If the control has not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(ii) If at least 3 of the 4 vaccinates in a valid test have not developed titers based upon final serum dilution of at least 1:8, and the remaining vaccinate has not developed a titer of at least 1:4, the serial is unsatisfactory except as provided in paragraphs (b)(5) and (6) of this section.

(5) *Virus-challenge test.* If the results of a valid SN test are unsatisfactory, the vaccinates and the control may be challenged with a virulent feline panleukopenia virus furnished by Veterinary Services and each animal observed each day for an additional 14 days.

(6) *Interpretation of the virus-challenge test.* If the control does not show clinical signs of feline panleukopenia, the test is inconclusive and may be repeated except, that if any of the vaccinates show such signs, the serial is unsatisfactory. Clinical signs of feline panleukopenia shall include a pronounced leukopenia wherein the white blood cell count drops to 4,000 or less per cubic mm or the white cell count drops to less than 25 percent of the normal level established by an average of three or more counts taken prior to challenge.

[39 FR 27428, July 29, 1974, as amended at 40 FR 759, Jan. 3, 1975; 43 FR 41186, Sept. 15, 1978; 43 FR 50162, Oct. 27, 1978; 50 FR 23796, June 6, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

§ 113.204 Mink Enteritis Vaccine, Killed Virus.

Mink Enteritis Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids or tissues obtained from mink that have developed mink enteritis following inoculation with virulent mink enteritis virus. Each serial shall meet the applicable requirements prescribed in § 113.200 and special requirements prescribed in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Safety test.* Vaccinates used in the potency test in paragraph (b) of this section shall be observed each day prior to challenge. If unfavorable reactions attributable to the vaccine occur, the serial is unsatisfactory. If unfavorable reactions not attributable to the vaccine occur, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial is unsatisfactory.

(b) *Potency test.* Bulk or final container samples of completed product shall be tested for potency using 10 mink enteritis susceptible mink (five vaccinates and five controls) as follows:

(1) *Vaccination.* Each of the five vaccinates shall be injected with one dose of vaccine as recommended on the label and observed each day for 14 days.

(2) *Challenge.* At least 2 weeks after the last inoculation, the five vaccinates and the five controls shall be challenged with virulent mink enteritis virus and observed each day for 12 days. Fecal material shall be collected on one day between days 4–8 (inclusive) postchallenge from each test animal that remains free of enteric signs and tested for the presence of mink enteritis virus by cell culture with fluorescent antibody examination.

(3) *Interpretation.* A serial is satisfactory if at least 80 percent of the vaccinates remain free of enteric signs and

do not shed virus in the feces, while at least 80 percent of the controls develop clinical signs of mink enteritis or shed virus in the feces. If at least 80 percent of the vaccinates remain free of enteric signs and do not shed virus in the feces, while less than 80 percent of the controls develop clinical signs of mink enteritis or shed virus in the feces, the test is considered inconclusive and may be repeated: *Provided,* That, if at least 80 percent of the vaccinates do not remain well and free of detectable virus in the feces, the serial is unsatisfactory.

[39 FR 27428, July 29, 1974. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991; 60 FR 14361, Mar. 17, 1995]

§ 113.205 Newcastle Disease Vaccine, Killed Virus.

Newcastle Disease Vaccine (Killed Virus) shall be prepared from virus-bearing tissues or fluids obtained from embryonated chicken eggs or cell cultures. With the exception of § 113.200(c)(2)(iii), each serial shall meet the applicable general requirements prescribed in § 113.200 and special requirements prescribed in this section. A serial found unsatisfactory by a prescribed test shall not be released.

(a) *Safety test.* The prechallenge part of the potency test in paragraph (b) of this section shall constitute a safety test. If unfavorable reactions attributable to the product occur in any of the vaccinates, the serial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(b) *Potency test.* A vaccination-challenge test shall be conducted using susceptible chickens 2 to 6 weeks of age at time of vaccination, properly identified and obtained from the same source and hatch.

(1) Ten or more chickens shall be vaccinated as recommended on the label and kept isolated under observation for at least 14 days.

(2) After at least 14 days post-vaccination, the vaccinates and at least 10 unvaccinated chickens that have been kept isolated as controls shall be challenged with a virulent strain of Newcastle disease virus supplied by or approved by Veterinary Services and the vaccinates observed each day for 14 days.

(3) If at least 90 percent of the controls do not show typical signs of Newcastle disease or die, the test is inconclusive and may be repeated. If at least 90 percent of the vaccinates do not remain normal, the serial is unsatisfactory.

[39 FR 27428, July 29, 1974. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

§ 113.206 Wart Vaccine, Killed Virus.

Wart Vaccine, Killed Virus, shall be prepared from virus-bearing epidermal tumors (warts) obtained from a bovine. Each serial shall meet the requirements prescribed in this section and any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Purity.* Final container samples of completed product shall meet the requirements for purity as prescribed in § 113.200 (c)(1) and (3).

(b) *Safety.* Bulk or final container samples of completed product shall meet the requirements for safety as prescribed in §§ 113.33(b) and 113.38.

(c) *Formaldehyde content.* Bulk or final container samples of completed product shall meet the requirements for formaldehyde content as prescribed in § 113.200(f).

(d) *Potency and efficacy.* The efficacy of wart vaccine has been demonstrated to the satisfaction of Veterinary Services as being a valuable biological product. The inherent nature of the product precludes the possible development of serial to serial potency tests and none is required: *Provided,* That,

(1) The vaccine shall be a tissue extract representing at least 10 percent weight to volume suspension of wart tissue; and

(2) The vaccine shall be limited to use in the prevention of warts in cattle. Labeling recommendations shall be in accordance with § 112.7(i).

[40 FR 14084, Mar. 28, 1975, as amended at 40 FR 23989, June 4, 1975; 40 FR 30803, July 23, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

§ 113.207 Encephalomyelitis Vaccine, Eastern, Western, and Venezuelan, Killed Virus.

Encephalomyelitis Vaccine, Eastern, Western, and Venezuelan, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Each serial or subserial shall meet the requirements prescribed in this section and the general requirements prescribed in § 113.200, except those in § 113.200(d). Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(a) *Safety test.* Bulk samples of completed product from each serial shall be tested for encephalomyelitis virus inactivation.

(1) Each of at least ten 6 to 12 hour old chickens shall be injected subcutaneously with 0.5 ml of the product and the chickens observed each day for 10 days.

(2) If unfavorable reactions attributable to the product occur in the chickens during the observation period, the serial is unsatisfactory. If unfavorable reactions not attributable to the product occur, the test is inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial is unsatisfactory.

(b) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested for potency in accordance with the two-stage test provided in this paragraph. For each fraction contained in the product—Eastern type, Western type, or Venezuelan type—the serological interpretations required in this test shall be made independently. A serial or subserial found unsatisfactory for any of the fractions shall not be released.

(1) For this test, a guinea pig dose shall be one-half the amount recommended on the label for a horse and shall be administered as recommended for a horse. Each of 10 healthy guinea pigs (vaccinates) shall be injected with two guinea pig doses with an interval of 14 to 21 days between doses. Two additional guinea pigs from the same source shall be held as controls.

(2) Fourteen to 21 days after the second injection, serum samples from each vaccinate and each control shall be tested by a plaque reduction, serum neutralization test using Vero 76 cells.

(3) If the control serum samples show a titer of 1:4 or greater for any fraction, the test is inconclusive for that fraction and may be repeated: *Provided,* That, if four or more of the vaccinate serum samples show a titer of less than 1:40 for the Eastern type fraction, less than 1:40 for the Western type fraction, or less than 1:4 for the Venezuelan type fraction, the serial or subserial is unsatisfactory without further testing.

(4) If two or three of the vaccinate serum samples show a titer of less than 1:40 for the Eastern type fraction, less than 1:40 for the Western type fraction, or less than 1:4 for the Venezuelan type fraction, the second stage of the test may be used for the relevant fraction(s): *Provided,* That, if a fraction is found acceptable by the first stage of the test, the second stage need not be conducted for that fraction.

(5) If the second stage is used and four or more of the vaccinate serum samples show a titer of less than 1:40 for the Eastern type fraction or the Western type fraction, or less than 1:4 for the Venezuelan type fraction, the serial or subserial is unsatisfactory.

(6) The results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Vaccinates	Failures for acceptance	Failures for rejection
1	10	1 or less	4 or more.
2	20	3 or less	Do.

[39 FR 44714, Dec. 27, 1974, as amended at 40 FR 14084, Mar. 28, 1975; 42 FR 45284, Sept. 9, 1977. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991; 61 FR 67930, Dec. 26, 1996]

§ 113.208 Avian Encephalomyelitis Vaccine, Killed Virus.

Avian Encephalomyelitis Vaccine (Killed Virus) shall be prepared from virus-bearing tissues or fluids obtained from embryonated chicken eggs. Each serial shall meet the general requirements prescribed in § 113.200 and the requirements prescribed in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Safety tests.* (1) The prechallenge part of the potency test prescribed in

paragraph (b) of this section shall constitute a safety test. If any of the vaccinates develop clinical signs of disease or die due to causes attributable to the product, the serial is unsatisfactory.

(2) An inactivation test for viable avian encephalomyelitis (AE) virus shall be conducted on each serial. The test shall be conducted using susceptible chicken embryos: *Provided,* That, if a non-embryo adapted virus is used for vaccine production, the test shall be conducted in susceptible chickens.

(i) *Chicken Embryo Test.* Each of 15 or more AE susceptible 5 or 6 day old embryos shall be injected in the yolk sac with 0.2 ml of the vaccine. For a valid test, at least 80 percent of the embryos shall survive for 48 hours post-inoculation (PI). Eleven to 13 days PI, all embryos surviving the 48 hour PI period shall be examined for gross lesions of AE; all these embryos shall be normal or the serial is unsatisfactory. Concurrently, five additional embryos from the same source shall be injected with live AE virus of the production strain to serve as positive controls. At least 4 of the 5 embryos shall show evidence of AE virus infection during the 11 to 13 day PI period or the test shall be considered inconclusive and repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) *Chicken test.* Each of 10 or more AE susceptible 7 day old chickens shall be injected intracerebrally with 0.1 ml vaccine each. The chickens shall be observed each day for 28 days. If any chickens show clinical signs of AE, the serial is unsatisfactory. Concurrently, 5 additional chickens from the same source shall be injected intracerebrally with live AE virus of the production strain to serve as positive controls. At least 4 of the 5 controls shall show evidence of AE virus infection during the observation period or the test shall be inconclusive and may be repeated: *Provided,* That, if the test is not repeated, the serial shall be unsatisfactory.

(b) *Potency test.* Bulk or final container samples of completed product from each serial or one subserial shall be tested. Ten or more AE-susceptible chickens (vaccinates), 4 weeks or older, properly identified and obtained from the same source and hatch, shall be injected as recommended on the label. At least 10 additional AE-susceptible chickens, properly identified and obtained from the same source and hatch shall be kept in isolation as controls.

(1) At least 28 days post-injection, the vaccinates and the controls shall be challenged intramuscularly with a virulent AE virus and the chickens observed each day for 21 days.

(2) If at least 80 percent of the controls do not show clinical signs of or die from AE infection, the test is inconclusive and may be repeated.

(3) If at least 80 percent of the vaccinates do not remain normal, the serial is unsatisfactory.

[39 FR 12958, Dec. 27, 1974, as amended at 40 FR 41088, Sept. 5, 1975. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

§ 113.209 Rabies Vaccine, Killed Virus.

Rabies Vaccine (Killed Virus) shall be prepared from virus-bearing cell cultures or nerve tissues obtained from animals that have developed rabies infection following injection with rabies virus. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.200 and the requirements prescribed in this section.

(1) Each lot of Master Seed Virus propagated in tissue or cells of avian origin shall also be tested for extraneous pathogens by procedures prescribed in §113.37.

(2) Each lot of Master Seed Virus propagated in primary cell cultures of mouse or hamster origin or brain tissues of mouse origin shall be tested for lymphocytic choriomeningitis (LCM) virus by the procedure prescribed in §113.42. If LCM virus is detected, the Master Seed Virus is unsatisfactory.

(b) The immunogenicity of vaccine prepared with virus at the highest passage from the Master Seed shall be established in each species for which the vaccine is recommended. Tests shall be

conducted in accordance with a protocol filed with Animal and Plant Health Inspection Service before initiation of the tests. The vaccine shall be prepared using methods prescribed in the Outline of Production. If Rabies Vaccine is to be in combination with other fractions, the product to be tested shall include all fractions to be tested.

(1) The preinactivation virus titer must be established as soon as possible after harvest by at least five separate virus titrations. A mean relative potency value of the vaccine to be used in the host animal potency test must be established by at least five replicate potency tests conducted in accordance with the standard NIH test for potency in chapter 37 of ''Laboratory Techniques in Rabies,'' Fourth Edition (1996), edited by F.X. Meslin, M.M. Kaplan, and H. Koprowski, World Health Organization, Geneva, Switzerland (ISBN 92 4 154479 1). The provisions of chapter 37 of ''Laboratory Techniques in Rabies,'' Fourth Edition (1996), are the minimum standards for achieving compliance with this section and are incorporated by reference. These provisions state that the challenge virus standard to be used as the challenge in the NIH test and the reference vaccine for the test are available from the national control authority. In the United States, that authority is the Animal and Plant Health Inspection Service's Center for Veterinary Biologics Laboratory, located at 1800 Dayton Avenue, P.O. Box 844, Ames, IA 50010; phone (515) 239–8331; fax (515) 239–8673. This incorporation by reference was approved by the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies may be obtained from the World Health Organization Publications Center USA, 49 Sheridan Avenue, Albany, NY 12210. Copies may be inspected at the Animal and Plant Health Inspection Service, Center for Veterinary Biologics, Licensing and Policy Development, 4700 River Road, Riverdale, MD, or at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC.

(2) The dose of vaccine to be used in the immunogenicity test shall be no more than the amount which, on the basis of The NIH Test For Potency, has been diluted to the proposed minimum acceptable potency value.[1]

(3) Test animals shall be uniform and have no neutralizing antibodies to rabies as determined by serum–neutralization (SN) tests.

(i) Twenty-five or more animals shall be used as vaccinates. Each shall be administered a dose of vaccine at the proposed minimum potency level and by the method specified in the Outline of Production.

(ii) Ten or more additional animals shall be held as controls.

(iii) On or about 30, 90, 180, 270, and 365 days postvaccination, all test animals shall be bled and individual serum samples tested for neutralizing antibodies to rabies virus.

(iv) All surviving test animals shall be challenged intramuscularly with virulent rabies virus furnished or approved by Animal and Plant Health Inspection Service 1 year after vaccinations, except as provided in (b)(4) of this section. The challenged animals shall be observed each day for 90 days as prescribed in §113.5(b). The brain of each test animal that dies following challenges shall be examined for rabies by the fluorescent antibody test or other method acceptable to Animal and Plant Health Inspection Service.

(v) Requirements for acceptance in challenge tests shall be death due to rabies in at least 80 percent of the controls while at least 22 of 25 or 26 of 30 or a statistically equivalent number of the vaccinates remain well for a period of 90 days.

(4) An alternative to challenging all surviving test animals in accordance with paragraph (b)(3)(iv) of this section may be used when the test animals are of species other than carnivores. Vaccinates shall be challenged at 1 year postvaccination. These shall include five vaccinates with the lowest SN titers at the 270th-day bleeding, five vaccinates with the lowest SN titers at the 365th-day bleeding, and all vaccinates with SN titers below 1:10 by the mouse SN test or below 1:16 by the rapid-fluorescent-focus-inhibition test at any bleeding. At least five SN-negative controls of each species shall be challenged at the same time as the vaccinates. All SN titers shall be

titrated to an endpoint. All of the challenged vaccinates must remain well for a period of 90 days, and at least 80 percent of the controls must die of rabies for a satisfactory test without further challenge. If one or more of the vaccinates die from rabies, all the remaining vaccines, regardless of titer, along with the five controls shall be challenged. The cumulative results from the two challenges shall be evaluated for acceptance as specified in paragraph (b)(3)(v) of this section.

(5) An Outline of Production change shall be made before authority for use a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(c) If more than 1 year duration of immunity is to be claimed, a duration of immunity test for the additional time shall be conducted and interpreted as prescribed in paragraph (b) of this section for the 1 year test. The test animals shall be monitored serologically at least every 180 days. The time of challenge may be adjusted accordingly.

(d) Test requirements for release: Each serial and each subserial shall meet the general requirements prescribed in §113.200 and special requirements in this paragraph.

(1) *Purity test.* Primary cell cultures of hamster origin or brain tissues of mouse origin used in vaccine production shall be tested for LCM virus as prescribed in §113.42. Hamster origin cells shall be disrupted and undiluted cell fluids from each lot shall be tested. Where mouse brains are used in production, at least five mice which have not been injected with rabies virus shall be sacrificed and a 10 percent suspension of brain material shall be prepared and tested.

(2) *Safety tests.* Bulk samples from each serial shall be tested for virus inactivation and safety as follows:

(i) At the end of the inactivation period, each of 20 12 to 16 gram mice shall be injected intracerebrally with 0.03 ml and two rabbits shall be injected into each cerebral hemisphere with 0.25 ml and observed each day for 21 days. The brains of animals dying between the fourth and 21st day post-injection shall be checked for rabies virus. Material from each brain recovered shall be injected into each of five mice and the mice observed each day for 14 days. The fluorescent antibody test or serum neutralization test shall be used to confirm the presence or absence or live rabies virus. If live rabies virus is confirmed, the serial is unsatisfactory unless reprocessed in accordance with §114.18.

(ii) A test for safety in three young seronegative animals of the most susceptible species for which the vaccine is recommended shall be conducted. Each shall in injected intramuscularly with one recommended dose of vaccine. If unfavorable reactions attributable to the product occur during a 28 day observation period, the serial is unsatisfactory.

(3) *Potency test.* Bulk or final container samples of completed product from each serial must be tested for potency by tests conducted in accordance with the standard NIH test for potency in Chapter 37 of ''Laboratory Techniques in Rabies,'' Fourth Edition (1996), which is incorporated by reference at paragraph (b)(1) of this section. The relative potency of each serial must be at least equal to that used in an approved host animal immunogenicity test.

[39 FR 44715, Dec. 27, 1974, as amended at 42 FR 6794, Feb. 4, 1977; 43 FR 49528, Oct. 24, 1978; 50 FR 20090, May 14, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990; 56 FR 66784, 66786, Dec. 26, 1991; 61 FR 31823, June 21, 1996; 64 FR 45420, Aug. 20, 1999]

§113.210 Feline Calicivirus Vaccine, Killed Virus.

Feline Calicivirus Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.200.

(b) The Master Seed shall be tested for chlamydial agents as prescribed in §113.43.

(c) The immunogenicity of vaccine prepared from the Master Seed in accordance with the Outline of Production shall be established by a method acceptable to Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and prepared at the minimum preinactivation titer specified in the Outline of Production.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.200 and the special requirements provided in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety.* Vaccinates used in the potency test in paragraph (d)(2) of this section shall be observed each day during the prechallenge period. If unfavorable reactions occur, including oral lesions, which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated. If the test is not repeated, the serial is unsatisfactory.

(2) *Potency.* Bulk or final container samples of completed product shall be treated for potency as follows:

(i) Eight feline calicivirus susceptible cats (five vaccinates and three controls) shall be used as test animals. Throat and nasal swabs shall be collected from each cat and individually tested on susceptible cell cultures for the presence of feline calicivirus. Blood samples shall be drawn and individual serum samples tested for neutralizing antibody. The cats shall be considered suitable for use if all swabs are negative for virus isolation and all serums are negative for calicivirus antibody at the 1:2 final dilution in a 50 percent plaque reduction test or other test of equal sensitivity.

(ii) The five cats used as vaccinates shall be administered one dose of vaccine by the method recommended on the label. If two doses are recommended, the second dose shall be given after the interval recommended on the label.

(iii) Fourteen or more days after the final dose of vaccine, the vaccinates and controls shall each be challenged intranasally with virulent feline calicivirus furnished or approved by Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence or absence of clinical signs, particularly lesions on the oral mucosa, noted and recorded each day.

(iv) If three of three controls do not show clinical signs of feline calicivirus infection other than fever, the test is inconclusive and may be repeated.

(v) If a significant difference in clinical signs cannot be demonstrated between vaccinates and controls using a scoring system approved by Animal and Plant Health Inspection Service and prescribed in the Outline of Production, the serial is unsatisfactory.

[50 FR 433, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.211 Feline Rhinotracheitis Vaccine, Killed Virus.

Feline Rhinotracheitis Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.200.

(b) The Master Seed shall be tested for chlamydial agents as prescribed in § 113.43.

(c) The immunogenicity of vaccine prepared from the Master Seed in accordance with the Outline of Production shall be established by a method acceptable to Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and prepared at the minimum preinactivation titer specified in the Outline of Production.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.200 and the special requirements provided in this paragraph.

Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* Vaccinates used in the potency test in paragraphs (d)(2) of this section shall be observed each day during the prechallenge period. If unfavorable reactions occur which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated. If the test is not repeated, the serial is unsatisfactory.

(2) *Potency test.* Bulk or final container samples of completed product shall be tested for potency as follows:

(i) Eight feline rhinotracheitis susceptible cats (five vaccinates and three controls) shall be used as test animals. Throat and nasal swabs shall be collected from each cat and individually tested on susceptible cell cultures for the presence of feline rhinotracheitis virus. Blood samples shall be drawn and individual serum samples tested for neutralizing antibody. The cats shall be considered suitable for use if all swabs are negative for virus isolation and all serums are negative for rhinotracheitis virus antibody at the 1:2 final dilution in a 50 percent plaque reduction test or other test of equal sensitivity.

(ii) The five cats used as vaccinates shall be administered one dose of vaccine by the method recommended on the label. If two doses are recommended, the second dose shall be given after the interval recommended on the label.

(iii) Fourteen or more days after the final dose of vaccine, the vaccinates and controls shall each be challenged intranasally with virulent feline rhinotracheitis virus furnished or approved by Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence or absence of clinical signs noted and recorded each day.

(iv) If three of three controls do not show clinical signs of feline rhinotracheitis virus infection other than fever, the test is inconclusive and may be repeated.

(v) If a significant difference in clinical signs cannot be demonstrated between vaccinates and controls using a scoring system approved by Animal and Plant Health Inspection Service and prescribed in the Outline of Production, the serial is unsatisfactory.

[50 FR 433, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.212 Bursal Disease Vaccine, Killed Virus.

Bursal Disease Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable requirements prescribed in § 113.200.

(b) Each lot of Master Seed shall be tested for pathogens by the chicken embryo inoculation test prescribed in § 113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in § 113.36 may be conducted and the virus judged accordingly.

(c) The immunogenicity of vaccine prepared in accordance with the Outline of Production shall be established by a method acceptable to Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and prepared at the minimum preinactivation titer specified in the Outline of Production. The test shall establish that the vaccine, when used as recommended on the label, is capable of inducing an immune response in dams of sufficient magnitude to provide significant protection to offspring.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.200 and the special requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety.* Vaccinates used in the potency test in paragraph (d)(2) of this

section shall be observed each day during the prechallenge period. If unfavorable reactions attributable to the vaccine occur, the serial is unsatisfactory. If unfavorable reactions which are not attributable to the vaccine occur, the test is inconclusive and may be repeated. If the test is not repeated, the serial is unsatisfactory.

(2) *Potency.* Bulk or final container samples of completed product from each serial shall be tested for potency using the two-stage potency test provided in this paragraph.

(i) *Vaccinates.* Inject each of 21 susceptible chickens 14 to 28 days of age, properly identified and obtained from the same source and hatch, with one dose of vaccine by the route recommended on the label and observe for at least 21 days.

(ii) *Controls.* Retain at least 10 additional chickens from the same source and hatch as unvaccinated controls.

(iii) *Challenge.* Twenty-one to 28 days postvaccination, challenge 20 vaccinates and 10 controls by eyedrop with a virulent infectious bursal disease virus furnished or approved by Animal and Plant Health Inspection Service.

(iv) *Postchallenge period.* Four days postchallenge, necropsy all chickens and examine each for gross lesions of bursal disease. For purposes of this test, gross lesions shall include peribursal edema and/or edema and/or macroscopic hemorrhage in the bursal tissue. Vaccinated chickens showing gross lesions shall be counted as failures. If at least 80 percent of the controls do not have gross lesions of bursal disease in a stage of the test, that stage is considered inconclusive and may be repeated. In a valid test, the results shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total number of failures for—	
			Satisfactory serial	Unsatisfactory serial
1	20	20	3 or less	6 or more.
2	20	40	8 or less	9 or more.

(v) If four or five vaccinates show lesions of bursal disease in the first stage, the second stage may be conducted in a manner identical to the first stage. If the second stage is not conducted, the serial is unsatisfactory.

(vi) If the second stage is used, each serial shall be evaluated according to the second part of the table on the basis of cumulative results.

[50 FR 434, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.213 Pseudorabies Vaccine, Killed Virus.

Pseudorabies Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.200.

(b) The immunogenicity of vaccine prepared from the Master Seed in accordance with the Outline of Production shall be established by a method acceptable to Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and at the minimum preinactivation titer provided in the Outline of Production.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.200 and the special requirements provided in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety.* Vaccinates used in the potency test in paragraph (c)(2) of this

section shall be observed each day during the prechallenge period. If unfavorable reactions occur, including neurological signs, which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated. If the test is not repeated, the serial is unsatisfactory.

(2) *Potency.* Bulk or final container samples of completed product shall be tested for potency as follows:

(i) Ten pseudorabies susceptible pigs (five vaccinates and five controls) shall be used as test animals. The animals shall be at the minimal age recommended for vaccination. Blood samples shall be drawn and individual serum samples inactivated and tested for neutralizing antibody.

(ii) A constant virus-varying serum neutralization test in cell culture using 50 to 300 $TCID_{50}$ of virus shall be used. Pigs shall be considered susceptible if there is no neutralization at 1:2 final serum dilution. Other tests of equal sensitivity acceptable to Animal and Plant Health Inspection Service may be used.

(iii) The five pigs used as vaccinates shall be administered one dose of vaccine as recommended on the label. If two doses are recommended, the second dose shall be given after the interval recommended on the label.

(iv) Fourteen days or more after vaccination, blood samples shall be drawn and individual serum samples inactivated and tested for pseudorabies virus neutralizing antibody by the method used to determine susceptibility.

(v) *Test interpretation.* If the controls have not remained seronegative at 1:2, the test is inconclusive and may be repeated. If at least four of the five vaccinates in a valid test have not developed titers of at least 1:8, and the remaining vaccinate has not developed a titer of at least 1:4, the serial is unsatisfactory, except as provided in paragraph (c)(2)(vi) of this section.

(vi) *Virus challenge test.* If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and controls may be challenged with virulent pseudorabies virus furnished or approved by Animal and Plant Health Inspection Service. The animals shall be observed each day for 14 days postchallenge. If four of five controls do not develop central nervous system signs or die, the test is inconclusive and may be repeated. In a valid test, if two or more of the vaccinates develop clinical signs or die, the serial is unsatisfactory.

[50 FR 434, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.214 Parvovirus Vaccine, Killed Virus (Canine).

Parvovirus Vaccine, Killed Virus, recommended for use in dogs, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.200.

(b) The immunogenicity of vaccine prepared in accordance with the Outline of Production shall be established as follows:

(1) Twenty-five parvovirus susceptible dogs (20 vaccinates and 5 controls) shall be used as test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine parvovirus to determine susceptibility.

A constant virus-varying serum neutralization test in cell culture using 50 to 300 $TCID_{50}$ of virus shall be used. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution. Other tests of equal sensitivity acceptable to Animal and Plant Health Inspection Service may be used.

(2) A viral hemagglutination test or another test acceptable to Animal and Plant Health Inspection Service shall be used to measure the antigenic content of vaccine produced at the highest passage from the Master Seed before the immunogenicity test is conducted. The 20 dogs used as vaccinates shall be injected with a predetermined dose of vaccine by the method recommended on the label. To confirm the dosage calculations, five replicate tests shall be

conducted on a sample of the vaccine used. If two doses are used, five replicate confirming tests shall be conducted on each dose.

(3) Fourteen days or more after the final dose of vaccine, the vaccinates and the controls shall be challenged with virulent canine parvovirus furnished or approved by Animal and Plant Health Inspection Service and the dogs observed each day for 14 days. Rectal temperature, blood lymphocyte count, and feces for viral detection shall be taken from each dog each day for at least 10 days postchallenge and the presence or absence of clinical signs noted and recorded each day.

(i) The immunogenicity of the vaccine shall be evaluated on the following criteria of infection: temperature ≥103.4 ° F; lymphopenia of ≥50 percent of prechallenge normal; clinical signs such as diarrhea, mucus in feces, or blood in feces; and viral hemagglutinins at a level of ≥1:64 in a 1:5 dilution of feces or a test of equal sensitivity. If at least 80 percent of the controls do not show at least three of the four criteria of infection during the observation period, the test is inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates do not survive the observation period without showing any more than one criterion of infection described in subparagraph (3)(i), of this section, the Master Seed is unsatisfactory.

(4) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five susceptible dogs (four vaccinates and one control) need to be used in the retest. Susceptibility shall be determined in the manner provided in paragraph (b)(1) of this section.

(i) Each vaccinate shall be injected with a predetermined quantity of vaccine virus as provided in paragraph (b)(2) of this section.

(ii) Fourteen to 21 days after the last vaccination, a second serum sample shall be drawn from each dog and tested for neutralizing antibody to canine parvovirus in the same manner used to determine susceptibility.

(iii) If the control has not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(iv) If three of the four vaccinates in a valid test do not develop titers based upon final serum dilution of at least 1:16, and the remaining vaccinate does not develop a titer of at least 1:8, the Master Seed is unsatisfactory, except as provided in subparagraph (4)(v) of this section.

(v) If the results of a valid SN test are unsatisfactory, the vaccinates and the control may be challenged as provided in paragraph (b)(3) of this section. If at least three of the four criteria of infection are not shown, the test is inconclusive and may be repeated, except that if any of the vaccinates show more than one criterion of infection, the Master Seed is unsatisfactory.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in § 113.200 and in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Potency.* Bulk or final container samples of completed product shall be tested for antigenic content using the method used in paragraph (b)(2) of this section. To be eligible for release, each serial and each subserial shall have an antigenic content sufficiently greater than that used in the immunogenicity test to assure that, when tested at any time within the expiration period, each serial and subserial shall have an antigenic content equal to the amount used in such immunogenicity test.

(2) *Virus identity.* Bulk or final container samples shall be tested for virus identity by conducting a hemagglutination test using duplicate samples and pretreating one with specific canine parvovirus antibody. If there is not at least an eightfold reduction in hemagglutinating activity, the hemagglutination is considered to be nonspecific and the serial is unsatisfactory.

[50 FR 435, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.215 Bovine Virus Diarrhea Vaccine, Killed Virus.

Bovine Virus Diarrhea Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed virus which has been established as pure, safe, and immunogenic shall be used for preparing seed cultures for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.200 and the requirements of this section.

(b) The immunogenicity of vaccine prepared from the Master Seed in accordance with the Outline of Production shall be established by a method acceptable to the Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and at the minimum preinactivation titer provided in the Outline of Production.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §113.200 and the special requirements provided in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety.* Vaccinates used in the potency test in paragraph (c)(2) of this section shall be observed each day during the prechallenge period. If unfavorable reactions occur, including respiratory signs, which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated one time. If results of the second test are not satisfactory, or if the test is not repeated, the serial is unsatisfactory.

(2) *Potency.* Bulk or final container samples of completed product shall be tested for potency using the method described in this paragraph.

(i) Eight bovine virus diarrhea susceptible calves (five vaccinates and three controls) shall be used as test animals. Individual serum samples shall be collected, inactivated, and individually tested for neutralizing antibody.

(ii) A constant virus decreasing serum neutralization test in cell culture using 50–300 TCID50 of virus shall be used. Calves shall be considered susceptible if there is no neutralization at 1:2 final serum dilution. Other tests of equal sensitivity approved by the Animal and Plant Health Inspection Service may be used.

(iii) The five calves used as vaccinates shall be administered one dose of vaccine as recommended on the label. If two doses are recommended, the second dose shall be given according to the interval recommended on the label.

(iv) Fourteen days or more after the last vaccination, blood samples shall be drawn and the individual serum samples inactivated and tested for bovine virus diarrhea virus neutralizing antibody by the same method used to determine susceptibility.

(v) *Test interpretation.* If the controls have not remained seronegative at 1:2, the test is a No Test (NT) and may be repeated. If at least four of the five vaccinates in a valid test have not developed 50 percent endpoint titers of 1:8 or greater, the serial is unsatisfactory, except as provided in paragraph (c)(2)(vi) of this section.

(vi) *Virus Challenge Test.* If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and controls may be challenged with virulent bovine virus diarrhea virus furnished or approved by the Animal and Plant Health Inspection Service. The animals shall be observed for 14 days post-challenge. If two of the three control calves do not show a temperature rise to 104.5 °F and develop respiratory or clinical signs of bovine virus diarrhea, the test is inconclusive and may be repeated one time. If two or more vaccinates show a temperature of 104.0 °F for 2 or more days and develop respiratory or clinical or other signs, the serial is unsatisfactory.

(vii) The prevaccination and postvaccination sera from a satisfactory potency test shall be submitted to the National Veterinary Services Laboratories for confirmatory testing.

[55 FR 35562, Aug. 31, 1990]

§ 113.216 Bovine Rhinotracheitis Vaccine, Killed Virus.

Infectious Bovine Rhinotracheitis Vaccine, Killed Virus, shall be prepared from virus-bearing cell culture fluids. Only Master Seed virus which has been established as pure, safe, and immunogenic shall be used for preparing seed cultures for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.200 and the requirements of this section.

(b) The immunogenicity of vaccine prepared in accordance with the Outline of Production shall be established by a method acceptable to the Animal and Plant Health Inspection Service. Vaccine used for this test shall be at the highest passage from the Master Seed and at the minimum preinactivation titer provided in the Outline of Production.

(c) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in § 113.200 and the special requirements provided in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety.* Vaccinates used in the potency test in paragraph (c)(2) of this section shall be observed each day during the prechallenge period. If unfavorable reactions occur, which are attributable to the vaccine, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated one time. If the results of the second test are not satisfactory, or if the test is not repeated, the serial is unsatisfactory.

(2) *Potency.* Bulk or final container samples of completed product shall be tested for potency using the method described in this paragraph.

(i) Eight infectious bovine rhinotracheitis susceptible calves (five vaccinates, three controls) shall be used as test animals. Individual serum samples shall be collected, inactivated, and individually tested for neutralizing antibody.

(ii) A constant virus decreasing serum neutralization test in cell culture using 50–300 TCID50 of virus shall be used. Calves shall be considered susceptible if there is no neutralization at 1:2 final serum dilution. Other tests of equal sensitivity acceptable to the Animal and Plant Health Inspection Service may be used.

(iii) The five calves used as vaccinates shall be administered one dose of vaccine as recommended on the label. If two doses are recommended, the second dose shall be given according to the interval recommended on the label.

(iv) Fourteen or more days after the last vaccination, blood samples shall be drawn and the individual serum samples inactivated and tested for infectious bovine rhinotracheitis virus neutralizing antibody by the same method used to determine susceptibility.

(v) *Test interpretation.* If the three controls have not remained seronegative at 1:2, the test is a No Test (NT) and may be repeated. If at least four of the five vaccinates in a valid test have not developed 50 percent endpoint titers of 1:8, the serial is unsatisfactory, except as provided in paragraph (c)(2)(vi) of this section.

(vi) *Virus Challenge Test.* If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and controls may be challenged with virulent infectious bovine rhinotracheitis virus furnished or approved by the Animal and Plant Health Inspection Service. The animals shall be observed each day for 14 days post-challenge. If two of the three control calves do not show a temperature rise to 104.5 °F and develop respiratory or other clinical signs of infectious bovine rhinotracheitis, the test is a No Test (NT) and may be repeated one time. If more than one of the vaccinates shows a temperature of 104.0°F for 2 or more days or if more than one of the vaccinates develops respiratory or clinical or other signs, the serial is unsatisfactory.

(vii) The prevaccination and postvaccination sera from a satisfactory potency test shall be submitted to the National Veterinary Services Laboratories for testing by the Animal and Plant Health Inspection Service.

[55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

LIVE VIRUS VACCINES

§ 113.300 General requirements for live virus vaccines.

When prescribed in an applicable Standard Requirement or in the filed Outline of Production, a live virus vaccine shall meet the applicable requirements in this section.

(a) *Purity tests.* (1) *Bacteria and fungi.* Final container samples of completed product and comparable samples of each lot of Master Seed Virus shall be tested for bacteria and fungi in accordance with the test provided in § 113.27.

(2) *Mycoplasma.* Final container samples of completed product and comparable samples of each lot of Master Seed Virus shall be tested for mycoplasma in accordance with the test provided in § 113.28.

(3) *Avian Origin Vaccine.* Samples of each lot of Master Seed Virus and bulk pooled material or final container samples from each serial shall also be tested for:

(i) Salmonella contamination as prescribed in § 113.30; and

(ii) Lymphoid leukosis virus contamination as prescribed in § 113.31; and

(iii) Hemagglutinating viruses as prescribed in § 113.34.

(4) *Extraneous viruses.* Each lot of Master Seed Virus used to prepare live virus vaccine recommended for animals other than poultry shall meet the requirements for extraneous viruses as prescribed in § 113.55

(b) *Safety tests.* Samples of each lot of Master Seed Virus and final container samples of completed product from each serial or first subserial of live virus vaccine recommended for animals other than poultry shall be tested for safety in at least one species for which the vaccine is intended using methods prescribed in §§ 113.39, 113.40, 113.41, 113.44, and 113.45 or in a filed Outline of Production. The mouse safety test prescribed in § 113.33(a) shall also be conducted unless the virus or agent in the vaccine is inherently lethal for mice.

(c) *Virus identity test.* At least one of the virus identity tests provided in this paragraph or a suitable identity test prescribed in the filed Outline of Production shall be conducted on the Master Seed Virus and final container samples from each serial or first subserial of biological product.

(1) *Fluorescent antibody test.* The fluorescent antibody test shall be conducted using virus inoculated cells and uninoculated control cells. Cells shall be stained with fluorochrome conjugated specific antiserum. Fluorescence typical of the virus concerned shall be demonstrated in the inoculated cells. The control cells shall remain free of such fluorescence.

(2) *Serum neutralization test.* The serum neutralization test shall be conducted using the constant serum-decreasing virus method with specific antiserum. For positive identification, at least 100 ID_{50} of vaccine virus shall be neutralized by the antiserum.

(d) *Cell Culture Requirements.* If cell cultures are used in the preparation of Master Seed Virus or of the vaccine, primary cells shall meet the requirements prescribed in § 113.51, cell lines shall meet the requirements prescribed in § 113.52, and ingredients of animal origin shall meet the applicable requirements in § 113.53.

(e) *Moisture content.* The maximum moisture content in desiccated vaccines shall be stated in the filed Outline of Production.

[39 FR 27430, July 29, 1974, as amended at 43 FR 49528, Oct. 24, 1978; 50 FR 1042, Jan. 9, 1985; 54 FR 19352, May 5, 1989. Redesignated at 55 FR 35562, Aug. 31, 1990; 60 FR 24549, May 9, 1995]

§ 113.301 Ovine Ecthyma Vaccine.

Ovine Ecthyma Vaccine shall be prepared from tissue culture fluids or virus-bearing tissues obtained from sheep that have developed ovine ecthyma following inoculation with virulent ovine ecthyma virus. Ovine Ecthyma Vaccine is exempt from the requirements prescribed in §§ 113.27 and 113.300(a), (b), and (c). Each serial shall meet the moisture requirements in § 113.300(e) and the special requirements prescribed in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Safety tests.* (1) Bulk or final container samples of completed product from each serial shall be tested for safety as prescribed in § 113.38.

(2) The prechallenge period of the potency test shall constitute a safety

test. If unfavorable reactions attributable to the vaccine occur in either of the vaccinates during the observation period, the serial is unsatisfactory.

(b) *Potency test.* Final container samples of completed product from each serial and each subserial shall be tested for potency using susceptible lambs. The vaccine shall be prepared as recommended for use on the label.

(1) Each of two lambs (vaccinates) shall be vaccinated by application of the vaccine to a scarified area on the medial surface of the thigh and observed each day for 14 days.

(2) The immunity of the two vaccinates and one or more unvaccinated lambs (controls) shall be challenged in the same manner as for vaccination, using the opposite thigh.

(3) If typical signs of ovine ecthyma, such as hyperemia, vesicles, and pustules do not develop on the controls during the first 2 weeks following challenge and persist for approximately 30 days, the test is inconclusive and may be repeated.

(4) If the vaccinates do not show a typical immune reaction, the serial is unsatisfactory: *Provided,* That, an initial active reaction with hyperemia which resolves progressively and disappears within 2 weeks, may be characterized as a typical immune reaction.

[39 FR 27430, July 29, 1974. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66786, Dec. 26, 1991]

§ 113.302 Distemper Vaccine—Mink.

Distemper Vaccine—Mink shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in § 113.300 and the requirements prescribed in this section.

(b) The lot of Master Seed Virus shall be tested for extraneous viruses as follows:

(1) To detect virulent canine distemper virus, each of two distemper susceptible mink or ferrets shall be inoculated with 1 ml of the Master Seed Virus and observed each day for 21 days. If undesirable reactions occur in either test animal, the lot of Master Seed Virus is unsatisfactory.

(2) Master Seed Virus propagated in chicken embryos shall be tested for pathogens by the chicken embryo test prescribed in § 113.37 except lesions typical of distemper virus may be disregarded. If found unsatisfactory, the Master Seed Virus shall not be used.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) At least 25 distemper susceptible mink shall be used as test animals. Blood samples shall be drawn from these animals and individual serum samples tested. The mink shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test with less than 500 ID_{50} of canine distemper virus. Other means of insuring susceptibility may be used if prior approval from Animal and Plant Health Inspection Service is received.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. At least 20 mink shall be vaccinated with a predetermined quantity of vaccine virus and at least 5 additional mink shall be held as unvaccinated controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) At least twenty-one days post-injection, the immunity of each of the vaccinates and the controls shall be challenged with the same size dose of virulent distemper virus and observed each day for 21 days.

(i) If at least 80 percent of the controls do not die or show severe signs of distemper, the test is inconclusive and may be repeated.

(ii) If at least 19 of 20, 27 of 30, or 36 of 40 of the vaccinates do not survive without showing clinical signs of distemper during the observation period,

the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest; *Provided,* That five of the five vaccinates and at least four of the controls shall meet the criteria prescribed in paragraph (c)(3) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be authorized by Animal and Plant Health Inspection Service.

(d) Test requirements for release: Each serial and subserial shall meet the general requirements prescribed in §113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Mink safety test.* Each of 2 mink shall be vaccinated with the equivalent of 10 doses of vaccine rehydrated with sterile diluent and administered in the manner recommended on the label. The mink shall be observed each day for 21 days. If unfavorable reactions attributable to the product occur in either of the mink during the observation period, the serial or subserial is unsatisfactory. If unfavorable reactions which are not attributable to the product occur, the test shall be declared inconclusive and may be repeated: *Provided,* That if the test is not repeated, the serial or subserial shall be declared unsatisfactory.

(2) *Potency Test.* An in vitro potency test shall be conducted. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer $10^{0.7}$ greater than that used in such immunogenicity test when tested by the method used in paragraph (c)(2) of this section.

[40 FR 53000, Nov. 14, 1975, as amended at 48 FR 33471, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.303 Bluetongue Vaccine.

Bluetongue Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing the seeds for vaccine production. All serials of vaccine shall be prepared from the first through the tenth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.300 and the requirements in this section.

(b) Each lot of Master Seed shall be tested for transmissibility and reversion to virulence in sheep using a method acceptable to Animal and Plant Health Inspection Service. If reversion to virulence is demonstrated, the Master Seed is unsatisfactory.

(c) Each lot of Master Seed used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed shall be established as follows:

(1) Twenty-five lambs, susceptible to the bluetongue virus serotype contained in the vaccine, shall be used as test animals (20 vaccinates and 5 controls). Blood samples shall be drawn from these animals and individual serums tested. A lamb shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution in a constant virus varying serum neutralization test with 60 to 300 $TCID_{50}$ of bluetongue virus or another method acceptable to Animal and Plant Health Inspection Service.

(2) A geometric mean titer of the vaccine produced from the highest passage from the Master Seed shall be established before the immunogenicity test is conducted. The 20 lambs to be used as vaccinates shall be administered a predetermined quantity of vaccine virus by the method recommended on the label. To confirm the virus dosage

administered, five replicate virus titrations shall be conducted on a sample of the vaccine used.

(3) At least once during the period of 14 to 18 days postvaccination, individual serum samples shall be collected from each of the vaccinates and tested for virus neutralizing antibody using the 60 to 300 $TCID_{50}$ of bluetongue virus.

(4) Twenty-one to twenty-eight days postvaccination the vaccinates and the controls shall each be challenged with virulent bluetongue virus and observed for 14 days. The rectal temperature of each animal shall be taken and recorded for 17 consecutive days beginning 3 days prechallenge. The presence or absence of lesions or other clinical signs of bluetongue noted and recorded on each of 14 consecutive days postchallenge.

(i) If at least four of the five controls do not show clinical signs of bluetongue and a temperature rise of 3 ° F or higher over the prechallenge mean temperature, the test shall be considered inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates tested as prescribed in paragraph (c)(3) of this section do not have bluetongue neutralizing antibody titers of 1:4 final serum dilution or higher, or if more than one of the vaccinates shows a temperature rise of 3 ° F or higher than its prechallenge mean temperature for 2 or more days, or if more than one of the vaccinates exhibits clinical signs of bluetongue, the Master Seed is unsatisfactory.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(6) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need be used in the retest: *Provided,* That five of five vaccinates and at least four of the five controls shall meet the criteria prescribed in paragraphs (c)(4) of this section.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* The mouse safety test prescribed in § 113.33(a) and the lamb safety test prescribed in § 113.45 shall be conducted.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test.

[50 FR 23796, June 6, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.304 Feline Panleukopenia Vaccine.

Feline Panleukopenia Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300 and the requirements prescribed in this section.

(b) The lot of Master Seed Virus shall be tested for other agents as follows:

(1) To detect virulent feline panleukopenia virus or virulent mink enteritis virus, each of two feline panleukopenia susceptible cats, as determined by the criteria prescribed in paragraph (c)(1) of this section, shall be injected subcutaneously with the equivalent of one cat dose each and the cats observed each day for 21 days. If either or both cats show signs of disease or reduced white blood cell counts

below 50 percent of the normal level established by an average of three or more counts taken prior to injection, the Master Seed Virus is unsatisfactory.

(2) To detect chlamydial agents, the Master Seed Virus shall be tested as prescribed in § 113.43.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Twenty-five feline panleukopenia susceptible cats shall be used as test animals (20 vaccinates and 5 controls). Blood samples drawn from each cat shall be individually tested for neutralizing antibody against feline panleukopenia virus to determine susceptibility.

(i) A constant virus-carrying serum neutralization test in tissue culture using 100 to 300 $TCID_{50}$ of virus shall be used.

(ii) Cats shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 cats used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five cats held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) Fourteen days post-injection, the vaccinates and the controls shall be challenged with virulent feline panleukopenia virus furnished by Animal and Plant Health Inspection Service and the cats observed each day for 14 days.

(i) If at least 80 percent of the controls do not show clinical signs of feline panleukopenia during the observation period, the test is inconclusive and may be repeated. Clinical signs of feline panleukopenia shall include a pronounced leukopenia wherein the white cell count drops to 4,000 or less per cubic mm, or the white cell count drops to less than 25 percent of the normal level established by an average of three or more counts taken prior to challenge.

(ii) If at least 19 of the 20 vaccinates do not survive the observation period without showing clinical signs of feline panleukopenia as described in paragraph (c)(3)(i) of this section, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Ten susceptible cats (8 vaccinates and 2 controls) shall be used in the retest. Susceptibility shall be determined in the manner provided in paragraph (c)(1) of this section.

(i) Each vaccinate shall be injected with a predetermined quantity of vaccine virus as provided in paragraph (c)(2) of this section.

(ii) Fourteen to twenty-one days postvaccination, a second serum sample shall be drawn from each cat and tested for neutralizing antibody to feline panleukopenia virus in the same manner used to determine susceptibility.

(iii) If the two controls have not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(iv) If at least 6 of the 8 vaccinates in a valid test do not develop titers based upon final serum dilution of at least 1:8, and the remaining vaccinates do not develop titers of at least 1:4, the Master Seed Virus is unsatisfactory except as provided in paragraph (c)(4)(v) of this section.

(v) If the results of a valid SN test are unsatisfactory, the vaccinates and the controls may be challenged as provided in paragraph (c)(3) of this section. If 100 percent of the controls do not show clinical signs of feline panleukopenia, the test is inconclusive and may be repeated except, that, if any of the vaccinates show such signs, the Master Seed Virus is unsatisfactory.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in § 113.300 and

in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety Test.* The mouse safety test prescribed in § 113.33(a) and the cat safety test prescribed in § 113.39 shall be conducted.

(i) Each of two healthy cats shall be injected with 10 cat doses by the method recommended on the label and the cats observed each day for 14 days.

(ii) If unfavorable reactions attributable to the biological product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated: *Provided,* That, if not repeated, the serial shall be unsatisfactory.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[39 FR 44716, Dec. 27, 1974, as amended at 40 FR 53378, Nov. 18, 1975; 43 FR 25078, June 9, 1978; 43 FR 41186, Sept. 15, 1978; 44 FR 58900, Oct. 12, 1979; 48 FR 33471, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.305 Canine Hepatitis and Canine Adenovirus Type 2 Vaccine.

Canine Hepatitis Vaccine and Canine Adenovirus Type 2 Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used in preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in § 113.300 except that the dog safety test prescribed in § 113.40(a) shall be conducted by the intravenous route.

(b) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity by one or both of the following methods:

(1) *Immunogenicity for canine hepatitis.* Twenty-five canine hepatitis susceptible dogs shall be used as test animals (20 vaccinates and 5 controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test using 50 to 300 $TCID_{50}$ of canine adenovirus.

(i) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 dogs to be used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five dogs held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(ii) Not less than 14 days postinjection, the vaccinates and the controls shall each be challenged intravenously with virulent infectious canine hepatitis virus furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 14 days.

(A) If at least four of the five controls do not show severe clinical signs of canine hepatitis, the test is inconclusive and may be repeated.

(B) If at least 19 of the 20 vaccinates do not survive without showing clinical signs of infectious canine hepatitis during the observation period, the Master Seed Virus is unsatisfactory.

(iii) The Master Seed Virus shall be retested for immunogenicity for canine hepatitis in 3 years unless use of the lot previously tested is discontinued. Ten susceptible dogs (8 vaccinates and 2 controls) shall be used in the retest. Susceptibility shall be determined in

the manner provided in paragraph (b)(1) of this section.

(A) Each vaccinate shall be injected with a predetermined quantity of vaccine virus as provided in paragraph (b)(1)(i) of this section.

(B) At least 14 days postvaccination, a second serum sample shall be drawn from each dog and tested for neutralizing antibody to canine adenovirus in the same manner used to determine susceptibility.

(C) If the two controls have not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(D) If at least six of the eight vaccinates in a valid test do not develop titers of at least 1:10 based upon final serum dilution, the Master Seed Virus is unsatisfactory except as provided in paragraph (b)(1)(iii)(E) of this section.

(E) If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and the controls may be challenged as provided in paragraph (b)(1)(ii) of this section. A Master Seed is satisfactory if all vaccinates remain free of clinical signs of canine hepatitis, while both controls develop severe clinical signs of canine hepatitis. If both controls do not show severe clinical signs of canine hepatitis, the test is inconclusive and may be repeated: *Provided,* That, if any of the vaccinates show such signs, the Master Seed Virus is unsatisfactory.

(2) *Immunogenicity for canine adenovirus Type 2.* Thirty canine adenovirus type 2 susceptible dogs shall be used as test animals (20 vaccinates and 10 controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test using 50 to 300 $TCID_{50}$ of canine adenovirus.

(i) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 dogs to be used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining 10 dogs held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(ii) Not less than 14 days postinjection, the vaccinates and the controls shall be challenged by exposure to a nebulized aerosol of virulent canine adenovirus type 2 furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence of respiratory or other clinical signs of canine adenovirus type 2 noted and recorded each day.

(A) If at least 6 of 10 controls do not show clinical signs of canine adenovirus type 2 infection other than fever, the test is inconclusive and may be repeated.

(B) If a significant difference in clinical signs in a valid test cannot be demonstrated between vaccinates and controls using a scoring system approved by the Animal and Plant Health Inspection Service, the Master Seed Virus is unsatisfactory.

(iii) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Either 10 vaccinates and 6 controls or 5 vaccinates and 3 controls shall be used in the retest.

(A) If less than 4 of 6 or 2 of 3 of the controls show clinical signs of canine adenovirus type 2 other than fever, the test is inconclusive and may be repeated.

(B) A significant difference in clinical signs shall be demonstrated between vaccinates and controls in a valid test as prescribed in paragraph (b)(2)(ii)(B) of this section.

(iv) An Outline of Production change shall be made before authorization for use of a new lot of Master Seed Virus shall be granted by the Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in §113.300 and in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the

titration method used in paragraph (b)(1)(i) and/or (b)(2)(i) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test(s) prescribed in paragraph (b) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test(s) but not less than $10.^{2.5}$ $TCID_{50}$ dose. If both immunogenicity tests in paragraph (b) of this section are conducted and a different amount of virus is used in each test, the virus titer requirements shall be based on the higher of the two amounts.

(2) [Reserved]

[60 FR 14361, Mar. 17, 1995]

§ 113.306 Canine Distemper Vaccine.

Canine Distemper Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) *Master Seed Virus.* The Master Seed Virus shall meet the applicable requirements prescribed in § 113.300 and the requirements prescribed in this section.

(1) To detect ferret virulent canine distemper virus, each of five canine distemper susceptible ferrets shall be injected with a sample of the Master Seed Virus equivalent to the amount of virus to be used in one dog dose and observed each day for 21 days. If undesirable reactions are observed during the observation period, the lot of Master Seed is unsatisfactory.

(2) Master Seed Virus propagated in tissues or cells of avian origin shall be tested for pathogens by the chicken embryo test prescribed in § 113.37. If found unsatisfactory, the Master Seed Virus shall not be used.

(b) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Twenty-five canine distemper susceptible dogs shall be used as test animals (20 vaccinates and 5 controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test using 50 to 300 $TCID_{50}$ of canine distemper virus.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 dogs used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five dogs held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) At least 14 days post-injection, the vaccinates and the controls shall each be challenged intracerebrally with virulent canine distemper virus furnished or approved by the Animal and Plant Health Inspection Service and observed each day for 21 days.

(i) If at least four of the five controls do not die and the survivor, if any, does not show clinical signs of canine distemper the test is inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates do not survive without showing clinical signs of canine distemper during the observation period, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Ten susceptible dogs (8 vaccinates and 2 controls) shall be used in the retest. Susceptibility shall be determined in the manner provided in paragraph (b)(1) of this section.

(i) Each vaccinate shall be injected with a predetermined quantity of vaccine virus as provided in paragraph (b)(2) of this section.

(ii) At least 14 days postvaccination, a second serum sample shall be drawn

from each dog and tested for neutralizing antibody to canine distemper virus in the same manner used to determine susceptibility.

(iii) If the two controls have not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(iv) If at least 6 of the 8 vaccinates in a valid test do not develop titers of at least 1:50 based upon final serum dilution, the Master Seed Virus is unsatisfactory, except as provided in paragraph (b)(4)(v) of this section.

(v) If the results of a valid serum neutralization test are unsatisfactory, the vaccinates and the controls may be challenged as provided in paragraph (b)(3) of this section. A Master Seed is satisfactory if all vaccinates remain free of clinical signs of canine distemper, while the two controls die with clinical signs of canine distemper. If the two controls do not die with clinical signs of canine distemper, the test is inconclusive and may be repeated: *Provided*, That, if any of the vaccinates show such signs, the Master Seed Virus is unsatisfactory.

(5) An Outline of Production change shall be made before authorization for use of a new lot of Master Seed Virus shall be granted by the Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Except for §113.300(a)(3)(ii), each serial and subserial shall meet the requirements prescribed in §113.300 and in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) The test for pathogens prescribed in §113.37 shall be conducted on each serial or one subserial of avian origin vaccine.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (b)(2) of this section. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (b) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[60 FR 14362, Mar. 17, 1995]

§113.308 Encephalomyelitis Vaccine, Venezuelan.

Encephalomyelitis Vaccine, Venezuelan, shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.300 except (b), and the requirements prescribed in this section.

(b) Each lot of Master Seed shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed shall be established as follows:

(1) Tests conducted by the Department have established that horses having Venezuelan equine encephalomyelitis antibody titers of 1:20 by the hemagglutination-inhibition (HI) method or 1:40 by the serum neutralization (SN) method were immune to challenge with virulent virus. The immunogenicity test is based on the demonstration of a serological response of at least that magnitude following vaccination of serologically negative horses.

(2) At least 22 horses (20 vaccinates and 2 controls), susceptible to Venezuelan equine encephalomyelitis, shall be used as test animals. Blood samples shall be taken from each horse and the serums individually tested for neutralizing antibody. Horses shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution in a constant virus-varying serum neutralization test using 60 to 300 $TCID_{50}$ of Venezuelan equine encephalomyelitis virus.

(3) A geometric mean titer of the vaccine produced from the highest passage of the Master Seed shall be established using a method acceptable to Veterinary Services before the immunogenicity test is conducted. The 20 horses used as vaccinates shall be injected with a predetermined quantity

of vaccine virus by the method to be recommended on the label. To confirm the dosage administered, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(4) Twenty-one to twenty-eight days postvaccination, blood samples shall be drawn from all test animals. For a valid test, the controls shall remain seronegative at 1:2 final serum dilution. In a valid test, if at least 19 of 20 vaccinates do not have antibody titers of at least 1:20 in a hemagglutination-inhibition test or at least 1:40 in a serum neutralization test, the Master Seed is unsatisfactory.

(5) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot is discontinued. Only five vaccinates and two controls need to be used in the retest: *Provided,* That five of five vaccinates and the two controls shall meet the criteria in paragraph (b)(4) of this section.

(6) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.300 and special requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* The mouse safety test prescribed in § 113.33(b) shall be conducted.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the method in paragraph (b)(3) of this section. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of the vaccine used in the immunogenicity test prescribed in paragraph (b) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test, but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[50 FR 23797, June 6, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.309 Bovine Parainfluenza$_3$ Vaccine.

Bovine Parainfluenza$_3$ Vaccine shall be produced from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the tenth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300.

(b) Each lot of Master Seed Virus shall meet the special requirements prescribed in this section.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Twenty-five bovine parainfluenza, susceptible calves shall be used as test animals (20 vaccinates and five controls). Blood samples shall be drawn from these animals and individual serums tested. Also, nasal specimens shall be collected for virus isolation attempts. The calves shall be considered susceptible if:

(i) The results are negative at a 1:2 final serum dilution in a varying serum constant virus neutralization test with less than 500 $TCID_{50}$ of bovine parainfluenza$_3$ virus; and

(ii) Shall be negative to bovine parainfluenza$_3$ virus isolation attempts from the nasal specimens on the day of injection.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 calves to be used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five calves held as uninjected controls. To confirm the dosage calculation, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) The vaccinates and controls shall be examined for clinical signs of respiratory disease and the body temperature taken and recorded on each of the

first 14 consecutive days post-injection. The vaccinates shall be bled on day 6±2 days post-injection.

(4) Three to four weeks post-vaccination, all calves shall be bled for serum antibodies and nasal specimens shall be collected for PI_3 virus isolation. On the same day, all vaccinates and controls shall be given acceptable challenge PI_3 virus titrating at least $10^{7.0}$ $TCID_{50}$ per ml and the animals observed for 14 days. Two ml of the challenge virus shall be instilled in each nostril or shall be inhaled as an aerosol suspension. Upon request, challenge virus and instructions shall be furnished by Animal and Plant Health Inspection Service.

(5) Each animal shall be examined for clinical signs of respiratory disease and the body temperature recorded on each of the 14 consecutive days of the post-challenge observation period. Each day for at least the first 10 days post-challenge, nasal specimens for virus isolation attempts shall be taken. All animals shall be bled on day 6±2 days post-challenge, and all animals shall be bled at least once 14 to 28 days post-challenge for serum antibody studies.

(6) Satisfactory Test Criteria:

(i) All virus isolations attempts shall be by culture and at least one subculture in PI_3 susceptible cells for a total of at least 14 days.

(ii) Two to four weeks post-vaccination, at least 19 of the 20 vaccinates shall have PI_3 neutralizing antibody titers of at least 1:4 and all five controls shall be negative at 1:2 dilution. None of the post-vaccination serums collected from the vaccinates on day 6±2 days shall reveal serum neutralization antibody titers of 1:32 or greater based upon final dilution.

(iii) Satisfactory resistance to challenge by vaccinates shall be determined by a significant difference between virus isolation rates from vaccinates and controls. The virus neutralization titers of post-challenge serums and respiratory symptoms and temperatures from all animals shall be considered in the evaluation of the test validity.

(7) Designated animal alternates for test animals showing anamnestic antibody responses (titers 1:32 or greater) on day 6 serums may be included in the study under the following provisions:

(i) No more than five alternates shall be allowed for the vaccinates and no more than two for the controls.

(ii) Alternates shall be subject to all requirements outlined for the animals for which they are alternates.

(iii) Antibody values from alternate animals may be used only to replace values from up to and including five vaccinates which develop antibody of 1:32 or greater by day 6±2 days post-vaccination or up to and including two controls which develop antibody titers of 1:32 or greater by day 6±2 days post-challenge.

(8) A sequential test procedure may be used in lieu of the 20 calf requirement. A beta value of .05 and a tolerance level of .78 shall be required.

(9) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest; *Provided,* That five of five vaccinates and at least four of the controls shall meet the criteria prescribed in paragraph (c)(6) of this section.

(10) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) Test requirements for release: Each serial and subserial shall meet the applicable general requirements prescribed in §113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested except as prescribed in paragraph (d)(1) of this section. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Purity test.* The test for Brucella contamination prescribed in §113.32 shall be conducted on each batch of primary cells intended for production use.

(2) *Safety test.* The mouse safety test prescribed in §113.33(a) and the calf safety test prescribed in §113.41 shall be conducted.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for

release, each serial and each subserial shall have a virus titer per dose sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[39 FR 44719, Dec. 27, 1974, as amended at 40 FR 41089, Sept. 5, 1975; 43 FR 49529, Oct. 24, 1978; 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 60 FR 14357, Mar. 17, 1995]

§ 113.310 Bovine Rhinotracheitis Vaccine.

Bovine Rhinotracheitis Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the tenth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300.

(b) Each lot of Master Seed Virus shall meet the special requirements prescribed in this section.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Twenty-five infectious bovine rhinotracheitis susceptible calves shall be used as test animals (20 vaccinates and five controls). Blood samples shall be drawn from these animals and individual serums tested. The calves shall be considered susceptible if the results are negative at a 1:2 final serum dilution by the virus plaque reduction method.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 calves to be used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five calves held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) At least once during a period of 14 to 28 days post-vaccination, individual serum samples shall be collected for virus-neutralization tests from each of the vaccinates. The test virus shall be 100 to 500 $TCID_{50}$ bovine rhinotracheitis virus. Results shall be used in making a determination as prescribed in paragraph (c)(6) of this section.

(4) The vaccinates and the controls shall each be challenged with virulent infectious bovine rhinotracheitis virus and observed for 14 days. The rectal temperature of each animal shall be taken and the presence or absence of respiratory or other clinical signs of bovine rhinotracheitis noted and recorded on each of the 14 consecutive days.

(5) If at least four of the five controls do not show clinical signs of infectious bovine rhinotracheitis and a marked temperature rise to 104.5° F. or higher post-challenge, the test shall be considered inconclusive and may be repeated.

(6) If less than 19 of the post-injection serum samples tested as prescribed in paragraph (c)(3) of this section show neutralization in all tubes of the 1:2 final serum dilution, or if more than one of the vaccinates show a temperature of 103.5° F. or higher for 2 or more days, or if more than one of the vaccinates exhibit respiratory or other clinical signs of infectious bovine rhinotracheitis, or both, the Master Seed Virus is unsatisfactory.

(7) A sequential test procedure may be used in lieu of the 20 calf requirement. A beta value of .05 and a tolerance level of .78 shall be required.

(8) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest; *Provided,* That five of five vaccinates and at least four of the five controls shall meet the criteria prescribed in paragraphs (c)(5) and (6) of this section.

(9) An outline of Production change shall be made before authority for use

of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) Test requirements for release: Each serial and subserial shall meet the applicable general requirements prescribed in §113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested except as prescribed in paragraph (d)(1) of this section. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Purity test.* The test for Brucella contamination prescribed in §113.32 shall be conducted on each batch of primary cells intended for production use.

(2) *Safety test.* The mouse safety test prescribed in §113.33(a) and the calf safety test prescribed in §113.41 shall be conducted.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer per dose sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[39 FR 44720, Dec. 27, 1974, as amended at 40 FR 20067, May 8, 1975; 40 FR 23989, June 4, 1975; 40 FR 41089, Sept. 5, 1975; 43 FR 49529, Oct. 24, 1978; 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.311 Bovine Virus Diarrhea Vaccine.

Bovine Virus Diarrhea Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the tenth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in §113.300.

(b) Each lot of Master Seed Virus shall meet the special requirements prescribed in this section.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Twenty-five bovine virus diarrhea susceptible calves shall be used as test animals (20 vaccinates and five controls). Blood samples shall be drawn from these animals and individuals serum samples tested. The calves shall be considered susceptible to bovine virus diarrhea virus infection if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test with less than 500 $TCID_{50}$ of bovine virus diarrhea virus.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 calves to be used as vaccinates shall be injected with a predetermined quantity of vaccine virus and the remaining five calves held as uninjected controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) At least once during a period 14 to 28 days post-vaccination, individual serum samples shall be collected for virus-neutralization tests from each of the vaccinates. The test virus shall be less than 500 $TCID_{50}$ of bovine virus diarrhea virus. The white cell count for all vaccinates and controls shall be established at least 3 days just before challenge. Results shall be used in making a determination as prescribed in paragraph (c)(5) of this section.

(4) The vaccinates and the controls shall each be challenged with virulent bovine virus diarrhea virus and observed for 14 consecutive days. The white cell count shall be determined daily on each animal from the second through the eighth day post-challenge. If leukopenia does not develop in at

least four of the five controls as compared with the vaccinates, the test shall be considered inconclusive and may be repeated.

(5) If less than 19 of the post-injection serum samples, tested as prescribed in paragraph (c)(3) of this section, show neutralization in all tubes of the 1:8 dilution; or if more than one of the vaccinates exhibits respiratory or other clinical signs of bovine virus diarrhea post-challenge; or both, the Master Seed Virus is unsatisfactory.

(6) A sequential test procedure may be used in lieu of the 20 calf requirement. A beta value of .05 and a tolerance level of .78 shall be required.

(7) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest; *Provided,* That five of five vaccinates and at least four of the five controls shall meet the criteria prescribed in paragraphs (c)(4) and (c)(5) of this section.

(8) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) Test requirements for release: Each serial and subserial shall meet the applicable general requirements prescribed in § 113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested except as prescribed in paragraph (d)(1) of this section. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Purity test.* The test for Brucella contamination prescribed in § 113.32 shall be conducted on each batch of primary cells intended for production use.

(2) *Safety test.* The mouse safety test prescribed in § 113.33(a) and the calf safety test prescribed in § 113.41 shall be conducted.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer per dose sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[39 FR 44721, Dec. 27, 1974, as amended at 40 FR 20067, May 8, 1975; 40 FR 41089, Sept. 5, 1975; 43 FR 49529, Oct. 24, 1978; 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.312 Rabies Vaccine, Live Virus.

Rabies Vaccine shall be prepared from virus-bearing cell cultures or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300.

(1) Each lot of Master Seed Virus shall meet the special requirements prescribed in this section.

(2) Each lot of Master Seed Virus propagated in tissues or cells of avian origin shall be tested for pathogens by procedures prescribed in § 113.37.

(3) Each lot of Master Seed Virus propagated in primary cell cultures of mouse or hamster origin or brain tissues of mouse origin shall be tested for lymphocytic choriomeningitis (LCM) virus by the procedure prescribed in § 113.42. If LCM virus is detected, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be studied in each species of carnivore or domesticated wild animal for which the vaccine is specifically recommended to attempt to determine the fate of the vaccine virus. Results shall be considered in evaluating safety of vaccine virus.

(i) Obtain at least 10 unvaccinated animals, negative at 1:2 final serum dilution, of each species in which tests will be conducted. Divide each species into two groups of five animals.

(ii) For each species of animal, inject one group of five animals

intramuscularly. Infiltrate a major nerve and the surrounding tissue in each of the five animals in the other group. Use 1.0 ml of high titer virus for each method of administration.

(iii) Observe all animals for signs of rabies until scheduled time to sacrifice. If animals show definite symptoms, sacrifice and check regional lymph nodes, brain, salivary glands, and kidney for rabies virus by injection of suckling mice (not more than 7 days of age). Tissues may be held frozen at −70° C. until suckling mice are available. Inject each mouse in one litter intracerebrally with 0.02 ml of a ground tissue suspension from each organ. Observe mice each day for 21 days. If any mice die, determine if the deaths were due to rabies virus in the brain by a fluorescent antibody test.

(iv) Sacrifice animals that do not show signs of rabies according to the following schedule and check regional lymph nodes, brain, salivary glands, and kidney in suckling mice.

Route of injection	Days after injection	Number of animals
Intramuscularly	15, 20, 25, 30, 35	1 each day.
Intraneurally	3, 6, 9, 15, 30	1 each day.

(5) Each lot of Master Seed Virus shall be tested for safety in at least 10 unvaccinated serologically negative animals of each domestic species for which the vaccine is recommended.

(i) Each group of 10 animals shall be divided into 2 groups of 5 animals. For each species, inject one group intramuscularly with 10 doses of high titer virus.

(ii) Infiltrate a major nerve of each of the animals in the other group of 5 with 10 doses of the same high titer virus. For all species except dogs and cats, multiple injections along the cervical spine in the proximity to the nerve trunks emerging from the spinal cord may be used: *Provided,* That a 1-dose volume shall be injected into each of four or more sites bilaterally.

(iii) Observe all animals each day for 90 days.

(iv) If any animals show clinical signs of rabies, sacrifice the animal and check appropriate brain tissue for rabies virus by the fluorescent antibody test and by mouse injection.

(v) If rabies is confirmed, the lot of Master Seed Virus is unsatisfactory.

(b) The immunogenicity of vaccine prepared with virus at the highest passage of the Master Seed shall be established in each species for which the vaccine is recommended. Tests shall be conducted in accordance with a protocol filed with Animal and Plant Health Inspection Service before initiation of the tests. The vaccine shall be prepared using methods prescribed in the Outline of Production. If Rabies Vaccine is to be in combination with other fractions, the product tested shall include all fractions to be recommended.

(1) A geometric mean virus titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(2) The dose of vaccine to be used in the immunogenicity test shall be no more than the amount of rehydrated vaccine which, on the basis of previous titrations, has been diluted to the proposed minimum acceptable virus titer.

(3) Test animals shall be uniform and have no neutralizing antibodies to rabies as determined by serum-neutralization (SN) tests.

(i) Twenty-five or more animals shall be used as vaccinates. Each shall be injected intramuscularly at one site in the thigh with a dose of vaccine at the proposed minimum virus titer as specified in the filed Outline of Production.

(ii) Ten or more additional animals shall be held as controls.

(iii) On or about days 30, 90, 180, 270, and 365 postvaccination, all animals shall be bled and individual serums tested for neutralizing antibodies to rabies virus.

(iv) All surviving test animals of each species shall be challenged intramuscularly with virulent rabies virus furnished or approved by Animal and Plant Health Inspection Service 1 year after vaccination, except as provided in paragraphs (b)(4), (b)(5), and (b)(6) of this section. The challenged animals shall be observed each day for 90 days as prescribed in §113.5(b). The

brain of each test animal that dies following challenge shall be examined for rabies by the fluorescent antibody test or other method acceptable to Animal and Plant Health Inspection Service.

(v) Requirements for acceptance in challenge tests shall be death due to rabies in at least 80 percent of controls while at least 22 of 25 or 26 of 30 or a statistically equivalent number of the vaccinates remain well for a period of 90 days.

(4) An alternative to challenging all surviving test animals in accordance with paragraph (b)(3)(iv) of this section may be used when the test animals are of species other than carnivores. Vaccinates shall be challenged at 1 year postvaccination. These shall include five vaccinates with the lowest SN titers at the 270th-day bleeding, five vaccinates with the lowest SN titers at the 365th-day bleeding, and all vaccinates with SN titers below 1:10 by the mouse SN test or below 1:16 by the rapid-fluorescent-focus-inhibition test at any bleeding. At least five SN-negative controls of each species shall be challenged at the same time as the vaccinates. All SN titers shall be iterated to an endpoint. All of the challenged vaccinates must remain well for a period of 90 days, and at least 80 percent of the controls must die of rabies for a satisfactory test without further challenge. If one or more of the vaccinates die from rabies, all the remaining vaccinates, regardless of titer, along with the five controls shall be challenged. The cumulative results from the two challenges shall be evaluated for acceptance as specified in paragraph (b)(3)(v) of this section.

(5) The Master Seed Virus shall be retested for immunogenicity in 3 years and each 5 years thereafter unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest and the retest may be limited to serological response at 1 year after vaccination of the vaccinates if such response is equal to or greater than that in the original immunogenicity test and all controls remain negative. If the SN response is not satisfactory, the vaccinates and controls may be challenged. To be satisfactory, at least 4 of the 5 controls shall die of rabies and 5 of the 5 vaccinates remain well for a period of 90 days.

(6) The repeat immunogenicity tests may be terminated after 90 day SN tests if at least 10 vaccinates and at least 5 controls of each species are used and the test dose of vaccine contains the minimum acceptable virus titer throughout dating.

(i) If the 10 vaccinates have SN titers equal to or greater than the 90 day SN titers of the vaccinates in the initial immunogenicity test, the Master Seed Virus is satisfactory.

(ii) If the 10 vaccinates do not have acceptable SN titers, each vaccinate and each control shall be challenged at 1 year with virulent rabies street virus and observed for 90 days.

(iii) If at least 80 percent of the controls do not show signs of rabies during the observation period, the test is invalid and shall be repeated.

(iv) If more than 10 percent of the vaccinates show signs of rabies, the Master Seed Virus is unsatisfactory.

(7) An outline of Production change shall be made before authority for use of a new lot of Master Virus shall be granted by Animal and Plant Health Inspection Service.

(c) If more than 1 year duration of immunity is to be claimed, a duration of immunity test for the additional time shall be conducted and interpreted as prescribed in paragraph (b) of this section for the 1 year test. The test animals shall be monitored serologically at least every 180 days. The time of challenge may be adjusted accordingly.

(d) Test requirements for release: Each serial and each subserial shall meet the general requirements prescribed in § 113.300 and special requirements in this paragraph.

(1) *Purity and safety tests.* Final container samples of completed product from each serial or one subserial shall be tested.

(i) The test for pathogens, prescribed in § 113.37 shall be conducted on each serial or one subserial of avian origin. If necessary, neutralize the rabies virus with specific rabies antiserum.

(ii) A test for safety in three young seronegative animals of the most susceptible species for which the vaccine is recommended shall be conducted.

Each shall be injected intramuscularly with 10 recommended doses of vaccine. If unfavorable reactions attributable to the product occur during a 28 day observation period, the serial is unsatisfactory.

(iii) If primary cell cultures of hamster origin or of mouse origin are used vaccine production, they shall be tested for LCM virus as prescribed in §113.42. The cells shall be disrupted and undiluted cell fluids from each lot shall be tested.

(2) *Virus titrations.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (b)(1) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently higher than the titer of the vaccine virus used in paragraph (b) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer equal to or greater than that used in the immunogenicity test.

(3) Young adult mice, each weighing 14 to 16 grams, shall be used as test animals when the virus in vaccine prepared with a low egg passage Flury Strain or high cell passage Street Alabama Dufferin Strain (HCP SAD) of rabies virus is titrated. At least 10 mice for each dilution shall be used.

(i) At least 10 mice shall be used for each dilution. Each shall be injected intracerebrally with 0.03 ml.

(ii) The injected young adult mice shall be observed each day for 14 days except when testing vaccines made with HCP SAD strain of rabies virus, in which case, the mice shall be observed each day for 21 days. Deaths and paralysis occurring subsequent to the fourth day post-injection shall be noted and the LD_{50} titer calculated by the Reed and Muench Method.

(iii) Virus titer requirements for release and at expiration date shall be determined for each vaccine on the basis of data available: *Provided,* That, the lowest titer permitted at expiration date when determined by this test shall be $10^{3.0}$ LD_{50} per 0.03 ml.

(4) Suckling mice, 6 days of age or younger, shall be used as test animals when virus in vaccine prepared with a high egg passage Flury Strain of rabies virus is titrated.

(i) Six to twelve mice shall be used for each dilution. Each shall be injected intracerebrally with 0.02 ml.

(ii) The injected suckling mice shall be observed each day for 21 days. Deaths and paralysis occurring subsequent to the fourth day post-injection shall be noted and the LD_{50} titer calculated by the Reed and Muench Method; and

(iii) Virus titer requirements for release and at expiration date shall be determined for each vaccine on the basis of data available: *Provided,* That, the lowest titer permitted at expiration date when determined by this test shall be $10^{3.0}$ LD_{50} per 0.02 ml.

[39 FR 44721, Dec. 27, 1974, as amended at 40 FR 20067, May 8, 1975; 42 FR 6795, Feb. 4, 1977; 43 FR 49529, Oct. 24, 1978; 50 FR 20090, May 14, 1985; 50 FR 23797, June 6, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 61 FR 31823, June 21, 1996]

§113.313 Measles Vaccine.

Measles Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in §113.300. Each lot of Master Seed Virus shall meet the special requirements prescribed in this section.

(b) To detect virulent canine distemper virus, each of two canine distemper susceptible ferrets shall be injected with a sample of the Master Seed Virus equivalent to the amount of virus to be used in one dog dose and observed each day for 21 days. If undesirable reactions occur in either ferret, the lot of Master Seed Virus is unsatisfactory.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master

Seed Virus shall be established as follows:

(1) Twenty-five dogs, less than 12 weeks of age and free of measles antibody, shall be used as test animals (20 vaccinates and five controls). Blood samples shall be drawn from these animals and individual serum samples tested. The dogs shall be considered susceptible if the results are negative at a 1:2 final serum dilution in a varying serum-constant virus neutralization test with less than 500 ID_{50} of measles virus.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Twenty dogs shall be vaccinated with a predetermined quantity of vaccine virus and the remaining five dogs held as unvaccinated controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) On the day of challenge, serum samples shall be obtained from each vaccinate and individually tested for antibody against canine distemper virus. For a valid test, each vaccinate shall be negative at a 1:4 final serum dilution in varying serum-constant virus neutralization test using less than 500 ID_{50} of canine distemper virus.

(4) At least 21 days postinoculation, the immunity of the vaccinates and controls shall be challenged by exposure to a uniform dose of aerosolized virulent canine distemper virus. All test dogs shall be observed daily for 21 days postchallenge.

(i) If at least 4 of the 5 controls do not die or show signs of distemper, including a temperature of 104.0° F. or higher and at least 15 percent weight loss, the test is inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates do not survive without showing a temperature of 104.0° F. or higher and a weight loss exceeding 15 percent after day 8 postchallenge, the Master Seed Virus is unsatisfactory.

(5) When approved in advance by Animal and Plant Health Inspection Service, a sequential test procedure may be used in lieu of the 20 dog requirement. A beta value of 0.05 and a tolerance level of 0.78 shall be required.

(6) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest; *Provided,* That five of five vaccinates and at least four of the controls shall meet the criteria prescribed in this section.

(7) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) Test requirements for release: Each serial and subserial shall meet the general requirements prescribed in § 113.300 and the requirements in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety tests.* The dog safety test prescribed in § 113.40 and the mouse safety test prescribed in § 113.33(a) shall be conducted.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of the vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ ID_{50} per dose.

[40 FR 53001, Nov. 14, 1975, as amended at 43 FR 49529, Oct. 24, 1978; 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.314 Feline Calicivirus Vaccine.

Feline Calicivirus Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of

vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300.

(b) The Master Seed Virus shall be tested for chlamydial agents as prescribed in § 113.43.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Thirty feline calicivirus susceptible cats shall be used as test animals (20 vaccinates and 10 controls). Throat swabs shall be collected from each cat and individually tested on susceptible cell cultures for the presence of feline calicivirus. Blood samples shall be drawn and individual serum samples tested. The cats shall be considered suitable for use if all swabs are negative for virus isolation and if all serums are negative for calicivirus antibody at the 1:2 final dilution in a 50 percent plaque reduction test or other SN test of equal sensitivity.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 cats used as vaccinates shall be administered a predetermined quantity of vaccine virus by the method to be recommended on the label and the remaining 10 cats shall be held as controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used. If two doses are used, five replicate confirming titrations shall be conducted on each dose.

(3) Twenty-one or more days after the final dose of vaccine, the vaccinates and controls shall each be challenged intranasally with a minimum of 100,000 $TCID_{50}$ or plaque forming units of virulent feline calicivirus furnished or approved by Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence or absence of clinical signs, particularly lesions on the oral mucosa, noted and recorded each day.

(i) If less than 8 of 10 controls show clinical signs of feline calicivirus infection other than fever, the test is inconclusive and may be repeated.

(ii) If a significant difference in clinical signs cannot be demonstrated between vaccinates and controls using a scoring system approved by Animal and Plant Health Inspection Service and prescribed in the Outline of Production, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Either 10 vaccinates and 6 controls or 5 vaccinates and 3 controls shall be used in the retest.

(i) If less than 5 of 6 or 3 of 3 of the controls in the retest show clinical signs of feline calicivirus infection other than fever, the test is inconclusive and may be repeated.

(ii) A significant difference in clinical signs shall be demonstrated between vaccinates and controls in a valid test as prescribed in paragraph (c)(3)(ii) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in § 113.300 and in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* The mouse safety test prescribed in § 113.33(a) and the cat safety test prescribed in § 113.39(b) shall be conducted.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time

within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ or plaque forming units per dose.

[44 FR 58899, Oct. 12, 1979; 44 FR 63083, Nov. 2, 1979, as amended at 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.315 Feline Rhinotracheitis Vaccine.

Feline Rhinotracheitis Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable general requirements prescribed in § 113.300.

(b) The Master Seed Virus shall be tested for chlamydial agents as prescribed in § 113.43.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity. The selected virus dose from the lot of Master Seed Virus shall be established as follows:

(1) Thirty feline rhinotracheitis susceptible cats shall be used as test animals (20 vaccinates and 10 controls). Throat swabs shall be collected from each cat and individually tested on susceptible cell cultures for the presence of feline rhinotracheitis virus. Blood samples shall be drawn and individual serum samples tested. The cats shall be considered suitable for use if all swabs are negative for virus isolation and if all serums are negative for feline rhinotracheitis virus antibody at the 1:2 final dilution in a 50 percent plaque reduction test or other SN test of equal sensitivity.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. The 20 cats used as vaccinates shall be administered a predetermined quantity of vaccine virus by the method to be recommended on the label and the remaining 10 cats shall be held as controls. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used. If two doses are used, five replicate confirming titrations shall be conducted on each dose.

(3) Twenty-one or more days after the final dose of vaccine, the vaccinates and controls shall each be challenged intranasally with a minimum of 100,000 $TCID_{50}$ or plaque forming units of virulent feline rhinotracheitis virus furnished or approved by Animal and Plant Health Inspection Service and observed each day for 14 days postchallenge. The rectal temperature of each animal shall be taken and the presence of respiratory or other clinical signs of feline rhinotracheitis noted and recorded each day.

(i) If less than 8 of 10 controls show clinical signs of feline rhinotracheitis infection other than fever, the test is inconclusive and may be repeated.

(ii) If a significant difference in clinical signs cannot be demonstrated between vaccinates and controls using a scoring system approved by Veterinary Services and prescribed in the Outline of Production, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Either 10 vaccinates and 6 controls or 5 vaccinates and 3 controls shall be used in the retest.

(i) If less than 5 of 6 or 3 of 3 of the controls in the retest show clinical signs of feline rhinotracheitis infection other than fever, the test is inconclusive and may be repeated.

(ii) A significant difference in clinical signs shall be demonstrated between vaccinates and controls in a valid test as prescribed in paragraph (c)(3)(ii) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) *Test requirements for release.* Each serial and subserial shall meet the requirements prescribed in § 113.300 and

in this paragraph. Final container samples of completed product shall be tested. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Safety test.* The mouse safety test prescribed in §113.33(a) and the cat safety test prescribed in §113.39(b) shall be conducted.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ or plaque forming units per dose.

[44 FR 58899, Oct. 12, 1979, as amended at 48 FR 33472, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.316 Canine Parainfluenza Vaccine.

Canine Parainfluenza Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.300 and the requirements in this section.

(b) Each lot of Master Seed shall be tested for immunogenicity. The selected virus dose shall be established as follows:

(1) Twenty-five canine parainfluenza susceptible dogs (20 vaccinates and 5 controls) shall be used as test animals. Nasal swabs shall be collected from each dog on the day the first dose of vaccine is administered and individually tested on susceptible cell cultures for the presence of canine parainfluenza virus. Blood samples shall also be drawn and individual serum samples tested for neutralizing antibody. Dogs shall be considered susceptible if all swabs are negative for virus isolation and if all serums are negative for canine parainfluenza antibody at a 1:2 final dilution in a constant virus-varying serum neutralization test using 50 to 300 $TCID_{50}$ of canine parainfluenza virus.

(2) A geometric mean titer of vaccine produced at the highest passage from the Master Seed shall be established before the immunogenicity test is conducted. The 20 dogs used as vaccinates shall be administered a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used to confirm the dosage administered. If two doses are used, five replicate confirming titrations shall be conducted on each dose.

(3) Three to 4 weeks after the final dose of vaccine, all dogs shall be bled for serum antibodies and nasal swabs shall be collected for canine parainfluenza virus isolation. On the same day, all vaccinates and controls shall be challenged with canine parainfluenza virus furnished or approved by Animal and Plant Health Inspection Service.

(4) The rectal temperature of each dog shall be taken and the presence of respiratory or other clinical signs of canine parainfluenza virus infection noted and recorded each day for 14 consecutive days postchallenge. Nasal swabs shall be collected from each dog each day for at least 10 consecutive days postchallenge. Individual swabs shall be tested for virus isolation by culture in canine parainfluenza virus susceptible cells for at least 7 days. Results shall be evaluated according to the following criteria:

(i) If five of five controls have not remained seronegative at a final serum dilution of 1:2 during the prechallenge period, the test is inconclusive and may be repeated.

(ii) If more than one vaccinate shows febrile response, respiratory or other clinical signs of canine parainfluenza virus infection; or, if less than 19 of 20 vaccinates show serum neutralization titers of 1:4 or greater; or, if there is

not a significant reduction in virus isolation rate in vaccinates when compared with controls, the Master Seed is unsatisfactory.

(5) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only five vaccinates and five controls need to be used in the retest: *Provided,* That five of five vaccinates and five of five controls shall meet the criteria prescribed in paragraph (b)(4) of this section.

(6) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in § 113.300 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (b)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (b) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer at least $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{2.5}$ $TCID_{50}$ per dose.

(2) [Reserved]

[50 FR 436, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.317 Parvovirus Vaccine (Canine).

Parvovirus Vaccine recommended for use in dogs shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in § 113.300 and the requirements in this section.

(b) The Master Seed shall be tested for reversion to virulence in dogs using a method acceptable to Animal and Plant Health Inspection Service. If a significant increase in virulence is seen within five backpassages, the Master Seed is unsatisfactory.

(c) Each lot of Master Seed shall be tested for immunogenicity. The selected virus dose shall be established as follows:

(1) Twenty-five canine parvovirus susceptible dogs (20 vaccinates and 5 controls) shall be used as test animals. Blood samples drawn from each dog shall be individually tested for neutralizing antibody against canine parvovirus to determine susceptibility. Dogs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution in a constant virus-varying serum neutralization test in cell culture using 50 to 300 $TCID_{50}$ of canine parvovirus.

(2) A geometric mean titer of the vaccine produced at the highest passage from the Master Seed shall be established before the immunogenicity test is conducted. The 20 dogs used as vaccinates shall be administered a predetermined quantity of vaccine virus by the method recommended on the label. To confirm the dosage calculations, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used. If two doses are used, five replicate confirming titrations shall be conducted on each dose.

(3) Fourteen days or more after the final dose of vaccine the vaccinates and the controls shall be challenged with virulent canine parvovirus furnished or approved by Animal and Plant Health Inspection Service and the dogs observed each day for 14 days. Rectal temperature, blood lymphocyte count, and feces for viral detection shall be taken from each dog each day for at least 10 days postchallenge and the presence or absence of clinical signs noted and recorded each day.

(i) The immunogenicity of the Master Seed shall be evaluated on the following criteria of infection: temperature ≥103.4 ° F; lymphopenia of ≥50 percent of prechallenge normal; clinical

signs such as diarrhea, mucus in feces, or blood in feces; and viral hemagglutinins at a level of ≥1:64 in a 1:5 dilution of feces or a test of equal sensitivity. If at least 80 percent of the controls do not show at least three of the four criteria of infection during the observation period, the test is inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates do not survive the observation period without showing more than one criterion of infection described in paragraph (c)(3)(i), of this section, the Master Seed is unsatisfactory.

(4) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Five susceptible dogs (four vaccinates and one control) may be used in the retest. Susceptibility shall be determined in the manner provided in paragraph (c)(1) of this section.

(i) Each vaccinate shall be administered a predetermined quantity of vaccine virus as provided in paragraph (c)(2) of this section.

(ii) Fourteen to 21 days after the last vaccination, a second serum sample shall be drawn from each dog and tested for neutralizing antibody to canine parvovirus in the same manner used to determine susceptibility.

(iii) If the control has not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(iv) If three of the four vaccinates in a valid test do not develop titers of at least 1:16 final serum dilution, and the remaining vaccinate does not develop a titer of at least 1:8, the Master Seed is unsatisfactory, except as provided in paragraph (c)(4)(v) of this section.

(v) If the results of a valid SN test are unsatisfactory, the vaccinates and the control may be challenged as provided in paragraph (c)(3) of this section. If at least three of the four criteria of infection are not shown in the control dog, the test is inconclusive and may be repeated, except that if any of the vaccinates show more than one criterion of infection, the Master Seed is unsatisfactory.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §113.300 and the requirements in this paragraph. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine used in the immunogenicity test in paragraph (c) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test, but not less than $10^{2.5}$ ID_{50} per dose.

[50 FR 436, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.318 Pseudorabies Vaccine.

Pseudorabies Vaccine shall be prepared from virus-bearing cell culture fluids. Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.300 and the requirements in this section.

(b) Each lot of Master Seed shall be tested for immunogenicity. The selected virus dose shall be established as follows:

(1) Twenty-five pseudorabies susceptible pigs (20 vaccinates and 5 controls) of the youngest age for which the vaccine is recommended, shall be used as test animals. Blood samples shall be taken from each pig and the serums inactivated and individually tested for neutralizing antibody against pseudorabies virus. Pigs shall be considered susceptible if there is no neutralization at a 1:2 final serum dilution in a constant virus-varying serum neutralization test using 50 to 300 $TCID_{50}$ pseudorabies virus.

(2) A geometric mean titer of the vaccine produced at the highest passage from the Master Seed shall be established before the immunogenicity test is conducted. The 20 pigs used as vaccinates shall be administered a predetermined quantity of vaccine virus by the method recommended on the label. To confirm the dosage administered, five replicate virus titrations shall be conducted on a sample of the vaccine virus dilution used.

(3) Fourteen to 28 days postvaccination, the vaccinates and controls shall be challenged with virulent pseudorabies virus furnished or approved by Animal and Plant Health Inspection Service and observed each day for 14 days.

(i) If at least four of the five controls do not develop severe central nervous system signs or die, the test is inconclusive and may be repeated.

(ii) If at least 19 of the 20 vaccinates in a valid test do not remain free of signs of pseudorabies, the Master Seed is unsatisfactory.

(4) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot is discontinued. Only five vaccinates and five controls need to be used in the retest. Susceptibility and age requirements shall be as provided in paragraph (b)(1) of this section.

(ii) Fourteen to 28 days postvaccination, a blood sample shall be taken from each pig and the serum inactivated and tested for neutralizing antibody to pseudorabies virus by the same method used to determine susceptibility.

(iii) If the five controls have not remained seronegative at 1:2, the test is inconclusive and may be repeated.

(iv) If at least four of the five vaccinates in a valid test have not developed titers of 1:8 final serum dilution or greater and the remaining vaccinate a titer of 1:4 or greater, the Master Seed is unsatisfactory, except as provided in paragraph (b)(4)(v).

(v) If the results of a valid neutralization test are unsatisfactory, the vaccinates and controls may be challenged as provided in paragraph (b)(3) of this section. If at least four of five controls do not develop severe central nervous system signs or die, the test is inconclusive and may be repeated. If all five of the vaccinates in a valid test do not remain free of signs of pseudorabies, the Master Seed is unsatisfactory.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(c) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §113.300 and the requirements in this paragraph.

(2) *Virus titer requirements.* Final container samples of completed product shall be titrated by the method used in paragraph (b)(2) of this section. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of the vaccine used in the immunogenicity test prescribed in paragraph (b) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer at least $10.^{0.7}$ greater than that used in the immunogenicity test, but not less than $10^{2.5}$ $TCID_{50}$ per dose.

[50 FR 437, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§§ 113.319—113.324 [Reserved]

§ 113.325 Avian Encephalomyelitis Vaccine.

Avian Encephalomyelitis Vaccine shall be prepared from virus-bearing tissues or fluids from embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300 and the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the

test is inconclusive because of a vaccine virus override, the test may be repeated and if the repeat test is inconclusive for the same reason, the chicken inoculation test prescribed in §113.36 may be conducted and the virus judged accordingly.

(c) Each lot of Master Seed Virus shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Avian encephalomyelitis susceptible chickens, all of the same age (eight weeks or older) and from the same source, shall be used. Twenty or more chickens shall be used as vaccinates for each method of administration recommended on the label. Ten additional chickens of the same age and from the same source shall be held as unvaccinated controls.

(2) A geometric mean titer of the vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each chicken used in the test. At least three appropriate (not to exceed tenfold) dilutions shall be used and the test conducted as follows:

(i) For each dilution, inoculate at least 10 embryos, 5 or 6 days old, in the yolk sac with 0.2 ml each. Twenty similar embryos obtained from the same source shall be kept as uninoculated negative controls. Disregard all deaths during the first 48 hours post-inoculation.

(ii) Eggs for each dilution shall be kept in separate containers and allowed to hatch. Sufficient precaution shall be taken to assure that chickens from each dilution remain separated. To be a valid test, at least 75 percent of the uninoculated eggs shall hatch.

(iii) On the third day after normal hatching time, count all unhatched eggs and all dead, paralyzed and ataxic chickens as positive evidence of viral infection.

(iv) A satisfactory titration shall have at least one dilution with between 50 and 100 percent positives and at least one dilution with between 50 and 0 percent positives.

(v) Calculate the EID_{50} by the Spearman-Karber or Reed-Muench method.

(3) At least 21 days post-vaccination, the vaccinates and the controls shall be challenged intracerebrally with a virulent avian encephalomyelitis virus and observed each day for 21 days.

(4) If at least 80 percent of the controls do not show signs of avian encephalomyelitis or die, the test is inconclusive and may be repeated. If at least 19 of 20, or 27 of 30, or 36 of 40 of the vaccinates in each group do not remain free from clinical signs of avian encephalomyelitis during the observation period, the Master Seed Virus is unsatisfactory.

(5) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the criteria prescribed in paragraph (c)(4) of this section.

(6) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the applicable requirements in §113.300 and the requirements prescribed in this paragraph.

(1) Final container samples from each serial shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the vaccine judged accordingly.

(2) *Safety test.* Final container samples of completed product shall be tested for safety as follows:

(i) At least 25 AE susceptible birds (6 to 10 weeks of age) shall be vaccinated with the equivalent of 10 doses by each of all routes recommended on the label and be observed each day for 21 days.

(ii) If unfavorable reactions attributable to the biological product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated, except that, if the test is not repeated, the serial shall be unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{.5}$ EID_{50} per dose.

[39 FR 44723, Dec. 27, 1974, as amended at 40 FR 18405, Apr. 28, 1975; 40 FR 41089, Sept. 5, 1975; 42 FR 43617, Aug. 30, 1977; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.326 Avian Pox Vaccine.

Fowl Pox Vaccine and Pigeon Pox Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in § 113.300 except paragraph (c) of this section and shall meet the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken inoculation test prescribed in § 113.36.

(c) Each lot of Master Seed Virus shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Fowl pox susceptible birds all of the same age and from the same source, shall be used as test birds. Twenty or more birds shall be used as vaccinates for each method of administration recommended on the label. Ten additional birds of the same age and from the same source as the vaccinates shall be held as unvaccinated controls.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each bird used in the test. At least three appropriate (not to exceed tenfold) dilutions shall be used and the test conducted as follows:

(i) For each dilution, inoculate at least five embryos, 9 to 11 days old, on the chorioallantoic membrane with at least 0.2 ml each. Disregard all deaths during the first 24 hours post-inoculation. To be a valid test, at least four embryos in each dilution shall remain viable beyond 24 hours.

(ii) Examine the surviving embryos for evidence of infection 5 to 7 days post-inoculation.

(iii) A satisfactory titration shall have at least one dilution with between 50 and 100 percent positives and at least one dilution with between 50 and 0 percent positives.

(iv) Calculate the EID_{50} by the Spearman-Karber or Reed-Muench method.

(3) Fourteen to twenty-one days post-vaccination, all vaccinates and controls shall be challenged by the wing web method and observed each day for 10 days. If the wing web method was used for vaccination, the opposite wing shall be used for challenge. Challenge virus shall be provided or approved by Animal and Plant Health Inspection Service.

(4) If at least 90 percent of the controls do not develop fowl pox during the observation period, the test is inconclusive and may be repeated. If at least 19 of 20, or 27 of 30, or 36 of 40 of the vaccinates in each group do not remain free from clinical signs of fowl

pox during the observation period, the Master Seed Virus is unsatisfactory.

(5) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the criteria prescribed in paragraph (c)(4) of this section.

(6) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the requirements in §113.36, in §113.300 except paragraph (c), and in this paragraph.

(1) *Safety test.* Final container samples of completed product from each serial shall be tested. Vaccines recommended for use in birds 10 days of age or younger shall be tested in accordance with paragraphs (d)(1)(i), (ii), and (iii) of this section.

(i) Each of 25 susceptible birds 5 days of age or younger, properly identified and obtained from the same source and hatch, shall be vaccinated with the equivalent of 10 doses of vaccine by each of all routes recommended on the label and observed each day for 14 days. Severe clinical signs or death shall be counted as failures. Two-stage sequential testing may be conducted if the first test (which then becomes stage one) has three failures.

(ii) The results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of birds	Failures for satisfactory serials	Failures for unsatisfactory serials
1	25	2 or less	4 or more.
2	50	5 or less	6 or more.

(iii) If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and may be repeated or, in lieu thereof, the serial declared unsatisfactory.

(iv) Vaccines not recommended for use in birds 10 days of age or younger shall be tested for safety as follows: Each of twenty-five 3- to 5-week-old, fowl-pox susceptible birds shall be vaccinated with the equivalent of 10 doses of vaccine by each of all routes recommended on the label and observed each day for 14 days. If any of the birds show severe clinical signs of disease or death during the observation period due to causes attributable to the product, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and may be repeated or, in lieu thereof, the serial declared unsatisfactory.

(2) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{2.0}$ EID_{50} per dose.

[39 FR 44724, Dec. 27, 1974, as amended at 40 FR 18406, Apr. 28, 1975; 40 FR 41089, Sept. 5, 1975; 44 FR 33051, June 8, 1979; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.327 Bronchitis Vaccine.

Bronchitis Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300 and the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken embryo inoculation test prescribed in § 113.37, except that, if the test is inconclusive because of a vaccine virus override, the test may be repeated and if the repeat test is inconclusive for the same reason, the chicken inoculation test prescribed in § 113.36 may be conducted and the virus judged accordingly.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Bronchitis susceptible chickens, all of the same age and from the same source, shall be used in the virus-recovery test. For each method of administration recommended on the label for each serotype against which protection is claimed, twenty or more chickens shall be used as vaccinates. Ten additional chickens for each serotype against which protection is claimed shall be held as unvaccinated controls.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity tests are conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each chicken used in such tests. At least three approved (not to exceed tenfold) dilutions shall be used and the test conducted as follows;

(i) For each dilution, inject at least five embryos, 9 to 11 days old, in the allantoic cavity with 0.1 ml each. Deaths occurring during the first 24 hours shall be disregarded, but at least four viable embyros in each dilution shall survive beyond 24 hours of a valid test. After 5 to 8 days incubation, examine the surviving embryos for evidence of infection.

(ii) A satisfactory titration shall have at least one dilution with between 50 and 100 percent positives and at least one dilution with between 50 and 0 percent positives.

(iii) Calculate the EID_{50} by the Spearman-Karber or Reed-Muench method.

(3) Twenty-one to twenty-eight days post-vaccination, all vaccinates and controls shall be challenged by eyedrop with virulent bronchitis virus. A separate set of vaccinates and controls shall be used for each serotype against which protection is claimed. Each challenge virus shall be approved or provided by Animal and Plant Health Inspection Service and shall titer at least $10^{4.0}$ EID_{50} per ml.

(i) Tracheal swabs shall be taken once, 5 days post-challenge, from each control and vaccinate. Each swab shall be placed in a test tube containing 3 ml of tryptose phosphate broth and antibiotics. The tube and swab shall be swirled thoroughly and if they are to be stored, be immediately frozen and be stored at below −40° C. pending egg evaluation. For each chicken swab, at least five chicken embryos 9 to 11 days old shall be inoculated in the allantoic cavity with 0.2 ml each of broth from each tube.

(ii) All embryos surviving the third day post-inoculation shall be used in the evaluation, except that, if a swab is not represented by at least four embryos, the test of that swab is invalid and the results inconclusive. A tracheal swab shall be positive for virus recovery when any of the embryos in a valid test show typical infectious bronchitis virus lesions, such as but not limited to, stunting, curling, kidney urates, clubbed down, or death during the 4 to 7 day post-inoculation period. If less than 20 percent of the embryos which survive the third day post-inoculation die during the 4 to 7 day post-inoculation period and show no gross lesions typical of infectious bronchitis, they may be disregarded.

(iii) If less than 90 percent of the controls are positive for virus recovery, the test is inconclusive and may be repeated.

(iv) If less than 90 percent of the vaccinates are negative for virus recovery, the Master Seed Virus is unsatisfactory.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the

criteria prescribed in paragraph (c)(3) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the applicable requirements in §113.300 and the requirements prescribed in this paragraph, except that, if the vaccine contains more than one virus type, bulk samples taken from each type prior to mixing shall be used in the virus identity tests prescribed in §113.300(c). The additional requirements in this paragraph shall also be met.

(1) Final container samples from each serial shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the vaccine judged accordingly.

(2) *Safety test.* Final container samples of completed product shall be tested to determine safety for use in bronchitis susceptible young chickens.

(i) Twenty-five susceptible chickens, 5 days of age or younger, properly identified and obtained from the same source and hatch, shall be vaccinated by the eye-drop method with the equivalent of 10 doses of vaccine and observed each day for 21 days post-vaccination. Severe respiratory signs or death shall be counted as failures. Two-stage sequential testing may be conducted if the first test (which then becomes stage one) has three failures.

(ii) The results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of chickens	Failures for satisfactory serials	Failures for unsatisfactory serials
1	25	2 or less	4 or more.
2	50	5 or less	6 or more.

If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated or, in lieu thereof, the serial declared unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the procedure prescribed in paragraph (c)(2) of this section and in this paragraph.

(i) The Newcastle disease virus fraction of combined Newcastle-Bronchitis Vaccines shall be neutralized prior to titration of the bronchitis virus fraction. Equal parts of heat-inactivated Newcastle disease antiserum shall be mixed with each appropriate serial tenfold dilution of the vaccine. After inactivation, embryos shall be injected with 0.2 ml each and results calculated as a 0.1 ml dose to allow for serum dilution of the vaccine. The allantoic fluids, tested as prescribed in §113.34 shall not show hemagglutinating activity in the lowest dilution used in the titration.

(ii) Each bronchitis virus type shall be harvested separately and a sample of bulk harvested material shall be collected prior to mixing with the other virus type(s). Each sample shall contain not less than the minimum virus titer stated in the filed Outline of Production.

(iii) To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{2.0}$ EID_{50} per dose.

[39 FR 44724, Dec. 27, 1974, as amended at 40 FR 18406, Apr. 28, 1975; 40 FR 41089, Sept. 5, 1975; 42 FR 43617, Aug. 30, 1977; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 64 FR 43045, Aug. 9, 1999]

§113.328 Fowl Laryngotracheitis Vaccine.

Fowl Laryngotracheitis Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance

with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300 and the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of vaccine virus override, the test may be repeated and if the repeat test is inconclusive for the same reason, the chicken inoculation test prescribed in §113.36 may be conducted and the virus judged accordingly. Each lot shall also be tested for safety as follows:

(1) Each of at least ten 3 to 4 week old susceptible chickens obtained from the same source and hatch as those used in the immunogenicity test prescribed in paragraph (c) of this section shall be injected intratracheally with 0.2 ml of the virus as used in the vaccine and the chickens observed each day for 14 days.

(2) If more than 20 percent of the chickens die during the observation period, the virus is unsatisfactory.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Fowl laryngotracheitis susceptible chickens all of the same age and from the same source shall be used. Twenty or more chickens shall be used as vaccinates for each method of administration recommended on the label. Ten additional chickens of the same age and from the same source shall be held as unvaccinated controls.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each chicken used in the test. At least three appropriate (not to exceed tenfold) dilutions shall be used for vaccine of chicken embryo origin and the test conducted as follows:

(i) For each dilution, inject at least five embryos, 9 to 11 days old, on the chorioallantoic membrane with 0.2 ml each. Disregard all deaths during the first 24 hours post-injection. To be a valid test, at least four embryos in each dilution shall remain viable beyond 24 hours.

(ii) Examine the surviving embryos for evidence of infection 5 to 8 days post-injection.

(iii) A satisfactory titration shall have at least one dilution with between 50 and 100 percent positives and at least one dilution with between 50 and 0 percent positives.

(iv) Calculate the EID_{50} by the Spearman-Karber or Reed-Muench method.

(3) Tissue culture origin vaccine may be titrated by a tissue culture method approved by Animal and Plant Health Inspection Service and written into the filed Outline of Productions.

(4) Ten to fourteen days post-vaccination, all vaccinates and controls shall be challenged intratracheally or in the orbital sinus with infectious fowl laryngotracheitis virus and observed each day for 10 days. Challenge virus shall be provided or approved by Animal and Plant Health Inspection Service.

(5) If at least 80 percent of the controls do not die or show clinical signs of fowl laryngotracheitis during the observation period, the test is inconclusive and may be repeated. If at least 19 of 20, 27 of 30, or 36 of 40 of the vaccinates in each group do not remain free of clinical signs of fowl laryngotracheitis during the observation period, the Master Seed Virus is unsatisfactory.

(6) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the criteria prescribed in paragraphs (c)(4) and (5) of this section.

(7) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the applicable requirements in §113.300 and the requirements prescribed in this paragraph.

(1) Final container samples from each serial shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the vaccine judged accordingly.

(2) *Safety test.* Final container samples of completed product from each serial of modified live virus vaccine shall be tested for safety as provided in this paragraph. Live virus vaccine not prepared with modified live virus shall be tested for safety as provided in the filed Outline of Production.

(i) Twenty-five 3 to 4 week old laryngotracheitis susceptible chickens shall be injected intratracheally with 0.2 ml of vaccine rehydrated at the rate of 30 ml for 1,000 doses. Chickens shall be observed each day for 14 days. Deaths shall be counted as failures. Two-stage sequential testing may be conducted if the first test (which then becomes stage one) has five, six, or seven failures.

(ii) The results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of chickens	Failures for satisfactory serials	Failures for unsatisfactory serials
1	25	4 or less	8 or more.
2	50	10 or less	11 or more.

(iii) If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated or in lieu thereof, the serial declared unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method provided in paragraphs (c)(2) or (3) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in such immunogenicity test but not less than $10^{2.5}$ EID_{50} per dose for chicken embryo origin vaccine and $10^{2.0}$ EID_{50} or $10^{2.5}$ $TCID_{50}$ per dose for tissue culture origin vaccine.

[39 FR 44726, Dec. 27, 1974, as amended at 40 FR 18407, Apr. 28, 1975; 40 FR 41089, Sept. 5, 1975; 41 FR 44359, Oct. 8, 1976; 42 FR 43617, Aug. 30, 1977; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§113.329 Newcastle Disease Vaccine.

Newcastle Disease Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300, except §113.34, and the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the test may be repeated and if the repeat test is inconclusive for the same reason, the chicken inoculation test prescribed in §113.36 may be conducted and the virus judged accordingly.

(c) Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Newcastle Disease susceptible chickens, all of the same age and from

the same source, shall be used. Twenty or more chickens shall be used as vaccinates for each method of administration recommended on the label. Ten additional chickens of the same age and from the same source shall be held as unvaccinated controls.

(2) A geometric mean titer of the dried vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each chicken used in the test. At least three appropriate (not to exceed tenfold) dilutions shall be used and the test conducted as follows:

(i) For each dilution, inject at least five embryos, 9 to 11 days old, in the allantoic cavity with at least 0.1 ml each. Disregard all deaths during the first 24 hours post-injection. To be a valid test, at least four embryos in each dilution shall remain viable beyond 24 hours.

(ii) Examine the surviving embryos for evidence of infection 5 to 7 days post-injection.

(iii) A satisfactory titration shall have at least one dilution with between 50 and 100 percent positives and at least one dilution with between 50 and 0 percent positives.

(iv) Calculate the EID_{50} by the Spearman-Karber or Reed-Muench method.

(3) Twenty to twenty-eight days postvaccination, all vaccinates and controls shall be challenged intramuscularly with at least $10^{4.0}$ EID_{50} of virus per chicken and observed each day for 14 days. Challenge virus shall be provided or approved by Animal and Plant Health Inspection Service.

(4) If at least 90 percent of the controls do not develop clinical signs of Newcastle disease during the observation period, the test is inconclusive and may be repeated. If at least 19 of 20, or 27 of 30, or 36 of 40 of the vaccinates in each group do not remain free from clinical signs of Newcastle disease during the observation period, the Master Seed Virus is unsatisfactory.

(5) The Master Seed Virus shall be retested for immunogenicity in 3 years unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the criteria prescribed in paragraph (c)(4) of this section.

(6) A strain identity test acceptable to Animal and Plant Health Inspection Service shall be conducted.

(7) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the applicable requirements in § 113.300, except § 113.34, and the requirements prescribed in this paragraph.

(1) Final container samples from each serial shall be tested for pathogens by the chicken embryo inoculation test prescribed in § 113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in § 113.36 may be conducted and the vaccine judged accordingly.

(2) Safety test: Final container samples of completed product from each serial shall be tested to determine whether the vaccine is safe for use in susceptible young chickens. Vaccines recommended for use in chickens 10 days of age or younger shall be tested in accordance with paragraphs (d)(2)(i), (ii), and (iii) of this section.

(i) Twenty-five susceptible chickens, 5 days of age or younger, properly identified and obtained from the same source and hatch, shall be vaccinated by the eye drop method with the equivalent of 10 doses of vaccine and the chickens observed each day for 21 days. Severe respiratory signs or death shall be counted as failures. Two-stage sequential testing may be conducted if the first test (which then becomes stage one) has 3 failures.

(ii) The results shall be evaluated according to the following table:

CUMULATIVE TOTALS

Stage	Number of chickens	Failures for satisfactory serials	Failures for unsatisfactory serials
1	25	2 or less	4 or more.
2	50	5 or less	6 or more.

(iii) If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and may be repeated.

(iv) Vaccines not recommended for use in chickens 10 days of age or younger shall be tested for safety as follows:

Each of twenty-five 3 to 5 week old Newcastle disease susceptible chickens shall be vaccinated as recommended on the label with the equivalent of ten doses and observed each day for 21 days. If any of the birds show severe clinical signs of disease or death during the observation period due to causes attributable to the product, the serial is unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer per dose sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ greater than that used in the immunogenicity test but not less than $10^{5.5}$ EID_{50} per dose.

[39 FR 44727, Dec. 27, 1974, as amended at 40 FR 18407, Apr. 28, 1975; 40 FR 23721, June 2, 1975; 40 FR 41090, Sept. 5, 1975; 42 FR 43618, Aug. 30, 1977; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991]

§ 113.330 Marek's Disease Vaccines.

Marek's disease vaccine shall be prepared from virus-bearing tissue culture cells. Only Master Seed Virus which has been established as pure, safe, and immunogenic shall be used for preparing the production seed virus for vaccine production.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300, and the requirements prescribed in this section. The identity test required in §113.300(c) shall be conducted in a serotype-specific manner by a method acceptable to APHIS. Each lot of Master Seed Virus shall also be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the virus judged accordingly.

(b) *Safety test.* The Master Seed Virus shall be nonpathogenic for chickens as determined by the following procedure:

(1) Specific pathogen free chickens or embryos, negative for Marek's disease virus antibodies, and from the same source, shall be isolated into the following groups:

(i) *Group 1.* At least 50 test subjects shall be inoculated with 10 times as much viable virus as will be contained in one dose of vaccine, by the route recommended for vaccination.

(ii) *Group 2.* At least 50 test subjects shall be injected with a very virulent Marek's disease virus provided or approved by APHIS, at a dosage level that will cause gross lesions of Marek's disease in at least 80 per cent of the chickens within 50 days.

(iii) *Group 3.* Fifty uninoculated controls. For *in ovo* studies, this group should receive a sham inoculation of diluent.

(iv) *Group 4.* For studies evaluating Serotype 1 Master Seed Viruses, a group of 50 uninoculated control chickens shall be housed in contact with the group 1 vaccinated chickens.

(2) At least 40 chickens in each group shall survive to 5 days of age. All chickens that die shall be necropsied and examined for lesions of Marek's disease and cause of death. The test shall be judged according to the following criteria:

(i) At 50 days of age, the remaining chickens in group 2 shall be killed and examined for gross lesions of Marek's disease. If at least 80 percent of this group do not develop Marek's disease, the test is inconclusive and may be repeated.

(ii) At 120 days of age, the remaining chickens in groups 1, 3, and 4 shall be weighed, killed, and necropsied. If less

than 30 of the chickens in group 3 survive the 120 day period, or if any of the chickens in group 3 have gross lesions of Marek's disease at necropsy, the test is declared inconclusive. If less than 30 chickens in groups 1 and 4 survive the 120 day period; or if any of the chickens in groups 1 and 4 have gross lesions of Marek's disease at necropsy; or if the average body weight of the chickens in groups 1 or 4 is significantly (statistically) different from the average in group 3 at the end of the 120 days, the lot of Master Seed Virus is unsatisfactory.

(3) For tests involving *in ovo* inoculation, hatchability results shall also be reported for each group.

(c) *Immunogenicity.* Each lot of Master Seed Virus used for vaccine production shall be tested for immunogenicity at the highest passage level allowed for the product, and the virus dose to be used shall be established as follows:

(1) Specific pathogen free chickens or embryos, negative for Marek's disease antibodies, and from the same source, shall be isolated into the following groups:

(i) *Group 1.* A minimum of 35 test subjects shall be inoculated with the vaccine, using the recommended route, at 1 day of age for chicks or 18 days of embryonation for embryos. The dose used shall be established by 5 replicate virus titrations conducted by a cell culture system or other titration method acceptable to APHIS.

(ii) *Group 2.* A minimum of 35 nonvaccinated test subjects shall be held as challenge controls.

(iii) *Group 3.* A minimum of 25 nonvaccinated test subjects shall be held as nonchallenge controls.

(iv) *Group 4.* Except for studies evaluating vaccines which contain only a Serotype 3 virus as the Marek's disease fraction, a minimum of 35 chicks shall be vaccinated at 1 day of age with a licensed Serotype 3 vaccine, in order to document the severity of the very virulent challenge.

(2) At least 30 chickens in groups 1, 2, and 4, and at least 20 chickens in group 3, shall survive to 5 days of age. All chickens in groups 1, 2, and 4 shall be challenged at 5 days of age in the following manner:

(i) For studies evaluating vaccines which contain only a Serotype 3 virus as the Marek's disease fraction, groups 1 and 2 shall be inoculated with a standard virulent challenge virus provided or approved by APHIS.

(ii) For all other Marek's disease vaccines, groups 1, 2, and 4 shall be inoculated with a very virulent challenge virus provided or approved by APHIS.

(3) All chickens shall be observed until 7 weeks of age, necropsied, and examined for grossly observable lesions consistent with Marek's disease. All chickens dying before the end of the 7 week observation period shall be necropsied and evaluated for gross lesions of Marek's disease. Any chickens not so examined shall be scored as positive for Marek's disease.

(4) For a valid test, at least 80 percent of the chickens in group 2 must develop grossly observable lesions, none of the chickens in group 3 shall develop grossly observable lesions, and (when included) greater than 20 percent of the chickens in group 4 must develop grossly observable lesions.

(5) For a valid test to be considered satisfactory, at least 80 percent of the chickens in group 1 must remain free of grossly observable lesions. The appropriate product claim resulting from a satisfactory test would be to aid in the prevention of Marek's disease, for vaccines containing only a Serotype 3 virus as the Marek's disease fraction, or to aid in the prevention of very virulent Marek's disease, for all other vaccines.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable requirements prescribed in § 113.300. The identity test required in § 113.300(c) shall be conducted in a serotype-specific manner by a method acceptable to APHIS. Final container samples of completed product shall also meet the requirements in paragraphs (d) (1), (2), and (3) of this section. Any serial or subserial found unsatisfactory by a prescribed test shall not be released.

(1) *Purity test.* The chicken embryo inoculation test prescribed in § 113.37 shall be conducted, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in § 113.36 may be

conducted and the virus judged accordingly.

(2) *Safety test.* At least 25 one-day-old, specific pathogen free chickens shall be injected, by the subcutaneous route, with the equivalent of 10 chicken doses of virus (vaccine concentrated 10X). The chickens shall be observed each day for 21 days. Chickens dying during the period shall be examined, cause of death determined, and the results recorded.

(i) If at least 20 chickens do not survive the observation period, the test is inconclusive.

(ii) If lesions of any disease or cause of death are directly attributable to the vaccine, the serial is unsatisfactory.

(iii) If less than 20 chicks survive the observation period and there are no deaths or lesions attributable to the vaccine, the test may be repeated one time, *Provided,* that if the test is not repeated, the serial shall be declared unsatisfactory.

(3) *Potency test.* The samples shall be titrated using a cell culture system or other titration method acceptable to APHIS. For vaccines composed of more than one Marek's disease virus serotype, each fraction shall be titrated in a serotype-specific manner.

(i) Samples of desiccated vaccine shall be incubated at 37°C for 3 days before preparation for use in the potency test. Samples of desiccated or frozen vaccine shall be reconstituted in diluent according to the label recommendations, and held in an ice bath at 0°C to 4°C for 2 hours prior to use in the potency test.

(ii) For a serial or subserial to be eligible for release, each serotype contained in the vaccine shall have a virus titer per dose which is at least 3 times greater than the number of plaque forming units (pfu) used in the immunogenicity test prescribed in paragraph (c) of this section, but not less than 1000 pfu per dose.

(iii) When tested (without the pretest incubation of desiccated products) at any time within the expiration period, each serotype contained in the vaccine shall have a virus titer per dose which is at least 2 times the number of pfu used in the immunogenicity test, but not less than 750 pfu per dose.

[61 FR 33841, July 1, 1996]

§ 113.331 Bursal Disease Vaccine.

Bursal Disease Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs. Only Master Seed Virus which has been established as pure, safe, and immunogenic in accordance with the requirements in paragraphs (a), (b), and (c) of this section shall be used for preparing the production seed virus for vaccine production. All serials shall be prepared from the first through the fifth passage from the Master Seed Virus.

(a) The Master Seed Virus shall meet the applicable requirements prescribed in §113.300 and the requirements prescribed in this section.

(b) Each lot of Master Seed Virus shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the virus judged accordingly. Each lot of Master Seed Virus used in the preparation of modified live virus vaccines shall also be nonpathogenic to chickens as determined by the following procedures:

(1) Each of twenty-five 1-day-old bursal disease susceptible chickens (vaccinates) shall be injected subcutaneously with 10 times the recommended dose of vaccine virus and observed for 21 days. Fifteen chickens of the same source and hatch shall be kept isolated as controls.

(i) Seventeen days postvaccination, each of five controls shall be administered at least $10^{2.0}$ EID_{50} of a virulent bursal disease virus by eye-drop, isolated, and used as positive controls. The remaining controls shall be used as negative controls.

(ii) If the vaccinates do not remain free of clinical signs of bursal disease, the Master Seed Virus is unsatisfactory. If unfavorable reactions which are not attributable to the Master Seed Virus occur in more than two of the vaccinates, the test shall be declared inconclusive and may be repeated.

(iii) Twenty-one days postvaccination, the vaccinates and the controls shall be necropsied and examined for gross lesions of bursal disease. If more than two of the vaccinates have such lesions, the Master Seed Virus is unsatisfactory, except that, if any of the negative controls or less than four of the positive controls have such lesions, the test is inconclusive and may be repeated. For purposes of this test, gross lesions shall include obvious pathological processes and/or obvious reduction in size of the bursa from normal.

(2) Each of thirty-five 3- to 4-week-old bursal disease susceptible chickens (vaccinates) shall be vaccinated with approximately one minimum protective dose of vaccine virus as determined in paragraph (c) of this section. Each of 10 chickens of the same source and hatch shall be administered at least $10^{2.0}$ EID_{50} of a virulent bursal disease virus by eye-drop, isolated, and used as positive controls. Also, each of 20 additional chickens of the same source and hatch shall be isolated and held as negative controls.

(i) Three or four days postvaccination, 10 of the vaccinates, the 10 positive controls, and 10 of the negative controls shall be necropsied and examined for gross lesions of bursal disease. If any of the vaccinates have such lesions, the Master Seed Virus is unsatisfactory, except that, if any of the negative controls or less than 8 of the positive controls have such lesions, the test is inconclusive and may be repeated. For purposes of this test, gross lesions shall include peri-bursal edema and/or edema and/or macroscopic hemorrhage in the bursal tissue.

(ii) Fourteen days post–vaccination, the remaining vaccinates and negative controls shall be necropsied and examined for obvious bursal atrophy. If any of the vaccinates have such atrophy, the Master Seed Virus is unsatisfactory, except that, if any of the negative controls have such atrophy, the test is inconclusive and may be repeated.

(c) Each lot of Master Seed Virus shall be tested for immunogenicity and the selected virus dose to be used shall be established as follows:

(1) Bursal Disease susceptible chickens, all of the same age (3 weeks or younger) and from the same source, shall be used. Twenty or more chickens shall be used as vaccinates for each method of administration recommended on the label. Ten additional chickens of the same age and from the same source shall be held as unvaccinated controls.

(2) A geometric mean titer of the vaccine produced from the highest passage of the Master Seed Virus shall be established before the immunogenicity test is conducted. Each vaccinate shall receive a predetermined quantity of vaccine virus. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the amount of virus administered to each chicken used in the test. At least three appropriate (not to exceed tenfold) dilutions shall be used to conduct the titrations by a method acceptable to Animal and Plant Health Inspection Service.

(3) When the test chickens are 28 to 35 days of age but not less than 14 days postvaccination, each vaccinate and each control shall be challenged by eye-drop with a virulent bursal disease virus provided or approved by Animal and Plant Health Inspection Service.

(i) Three to five days postchallenge, all vaccinates and controls shall be necropsied and examined for gross lesions of bursal disease as described in paragraph (b)(2)(i) of this section.

(ii) If at least 19 of 20, or 27 of 30, or 36 of 40 vaccinates in each group are not free from such lesions, the Master Seed Virus is unsatisfactory, except that, if less than 90 percent of the controls have such lesions, the test is inconclusive and may be repeated.

(4) The Master Seed Virus shall be retested for immunogenicity in 3 years from the original testing unless use of the lot previously tested is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and the controls shall meet the criteria prescribed in paragraph (c)(3) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed Virus shall

be granted by Animal and Plant Health Inspection Service.

(d) After a lot of Master Seed Virus has been established as prescribed in paragraphs (a), (b), and (c) of this section, each serial and subserial shall meet the applicable requirements in §113.300 and the requirements prescribed in this paragraph.

(1) *Tests for pathogens.* Final container samples from each serial shall be tested for pathogens by the chicken embryo inoculation test prescribed in §113.37, except that, if the test is inconclusive because of a vaccine virus override, the chicken inoculation test prescribed in §113.36 may be conducted and the serial judged accordingly.

(2) *Safety tests.* (i) Final container samples of completed product from each serial shall be tested to determine whether the vaccine is safe as follows:

(A) For vaccines intended for parenteral administration, each of twenty-five 1-day-old bursal disease susceptible chickens shall be vaccinated with the equivalent of 10 doses by subcutaneous injection.

(B) For vaccines intended for drinking water administration, each of twenty-five 4- to 5-week-old bursal disease susceptible chickens shall be vaccinated orally with the equivalent of 10 doses.

(C) Ten chickens of the same source and hatch shall be maintained in isolation as negative controls. The vaccinates and controls shall be observed each day for 21 days.

(ii) If unfavorable reactions which are attributable to the biological product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur in more than one of the controls or if unfavorable reactions which are not attributable to the biological product occur in more than two of the vaccinates, the test shall be declared inconclusive and repeated, except that, if the test is not repeated, the serial shall be unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be tested for virus titer using the titration method used in paragraph (c)(2) of this section. To be eligible for release, each serial and each subserial shall have a virus titer sufficiently greater than the titer of vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that when tested at any time within the expiration period, each serial and subserial shall have a virus titer of $10^{0.7}$ times greater than that used in such immunogenicity test, but not less than $10^{2.0}$ titration units (PFU or ID_{50}'s) per dose.

[44 FR 60263, Oct. 19, 1979, as amended at 44 FR 67087, Nov. 23, 1979; 48 FR 33473, July 22, 1983. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 64 FR 43045, Aug. 9, 1999]

§113.332 Tenosynovitis Vaccine.

Tenosynovitis Vaccine shall be prepared from virus-bearing cell culture fluids or embryonated chicken eggs.

Only Master Seed which has been established as pure, safe, and immunogenic shall be used for preparing seeds for vaccine production. All serials of vaccine shall be prepared from the first through the fifth passage from the Master Seed.

(a) The Master Seed shall meet the applicable general requirements prescribed in §113.300, except (a)(3)(ii) and (c), and the special requirements in this section.

(b) Each lot of Master Seed shall be tested for:

(1) Pathogens by the chicken inoculation test prescribed in §113.36.

(2) Lymphoid leukosis virus contamination as follows:

(i) Each of at least 10 3-week-old or older lymphoid leukosis free chickens from the same source and hatch shall be injected intra-muscularly with an amount of Master Seed equal to 100 label doses of vaccine. At least 15 chickens of the same source and hatch shall be used as controls; 5 or more shall be unvaccinated and serve as negative controls; 5 or more shall be injected with subgroup A lymphoid leukosis virus; and 5 or more with subgroup B lymphoid leukosis virus. Each group of control chickens shall be held isolated from each other and from the vaccinates.

(ii) Twenty-one to 28 days postinoculation, blood samples shall be taken from each chicken and the serum separated using a technique conducive to virus preservation. These serums

shall be used as inocula in the complement fixation for avian lymphoid leukosis (COFAL) test prescribed in § 113.31.

(iii) Serums from the vaccinates shall be tested separately, but serums within each control group may be pooled. A valid test shall have positive COFAL reactions from each virus inoculated group and negative reactions from the uninoculated controls. If any of the chickens injected with the Master Seed have positive COFAL test reactions in a valid test, the Master Seed is unsatisfactory.

(3) Identity using the following agar gel immunodiffusion test. The undiluted Master Seed may be used as test antigen or the Master Seed may be inoculated onto the chorioallantoic membrane (CAM) of fully susceptible chicken embryos and the infected CAMs ground and used as antigen. A known tenosynovitis antiserum and a known tenosynovitis antigen shall be used in the test. A precipitin line shall form between the test antigen and the known antiserum in the center well which shows identity with the line formed between the antiserum and the known antigen, or the Master Seed is unsatisfactory.

(4) Safety using the following chicken test:

(i) For vaccines intended for use in chickens less than 14 days of age, Master Seed equal to 10 label doses shall be administered subcutaneously to each of 25 1-day-old tenosynovitis susceptible chickens.

(ii) For vaccines intended for use only in chickens 14 days of age or older, Master Seed equal to 10 label doses shall be administered subcutaneously to each of 25 4-week-old or older tenosynovitis susceptible chickens.

(iii) The vaccinates shall be observed each day for 21 days. If unfavorable reactions occur which are attributable to the vaccine, the Master Seed is unsatisfactory. If unfavorable reactions occur which are not attributable to the vaccine, the test is inconclusive and may be repeated.

(c) Each lot of Master Seed shall be tested for immunogenicity. The selected virus dose shall be established as follows:

(1) Tenosynovitis susceptible chickens, of the same age and from the same source shall be used as test birds. Vaccines intended for use in very young chickens shall be administered to chickens of the youngest age for which the vaccine is recommended. Vaccines intended for use in older chickens shall be administered to 4-week-old or older chickens. Twenty or more vaccinates shall be used for each method of administration recommended on the label. Ten or more chickens shall be held as unvaccinated controls.

(2) A geometric mean titer of the vaccine produced at the highest passage from the Master Seed shall be established using a method acceptable to Animal and Plant Health Inspection Service before the immunogenicity test is conducted. A predetermined quantity of vaccine virus shall be administered to each vaccinate. Five replicate virus titrations shall be conducted on an aliquot of the vaccine virus to confirm the dose.

(3) Twenty-one to 28 days postvaccination, each vaccinate and control shall be challenged by injecting virulent virus furnished or approved by Animal and Plant Health Inspection Service into one foot pad. The vaccinates and controls shall be observed each day for 14 days. If at least 90 percent of the controls do not develop swelling and discoloration in the phalangeal joint area of the injected foot pad typical of infection with tenosynovitis virus, the test is inconclusive and may be repeated. If at least 19 of 20, 27 of 30, or 36 of 40 vaccinates do not remain free from these signs, disregarding transient swelling which subsides within 5 days postchallenge, the Master Seed is unsatisfactory.

(4) The Master Seed shall be retested for immunogenicity in 3 years unless use of the lot is discontinued. Only one method of administration recommended on the label need be used in the retest. The vaccinates and controls shall meet the criteria prescribed in paragraph (c)(3) of this section.

(5) An Outline of Production change shall be made before authority for use of a new lot of Master Seed shall be granted by Animal and Plant Health Inspection Service.

(d) *Test requirements for release.* Each serial and subserial shall meet the applicable general requirements prescribed in §113.300, except (c), and the requirements in this paragraph.

(1) *Purity.* Final container samples of completed product from each serial shall be tested for pathogens by the chicken inoculation test prescribed in §113.36.

(2) *Safety.*

(i) Final container samples of completed product from each serial shall be safety tested as follows:

(A) For vaccines intended for use in very young chickens, each of 25 1-day-old tenosynovitis susceptible chickens shall be vaccinated with the equivalent of 10 doses by one method recommended on the label.

(B) For vaccines intended for use in older chickens, each of 25 4-week-old or older tenosynovitis susceptible chickens shall be vaccinated with the equivalent of 10 doses by one method recommended on the label.

(ii) The vaccinates shall be observed each day for 21 days. If unfavorable reactions occur which are attributable to the product, the serial is unsatisfactory. If unfavorable reactions occur in more than two vaccinates which are not attributable to the product, the test is inconclusive and may be repeated. If the test is not repeated, the serial is unsatisfactory.

(3) *Virus titer requirements.* Final container samples of completed product shall be titrated by the method used in paragraph (c)(2) of this section. To be eligible for release, each serial and subserial shall have a virus titer sufficiently greater than the titer of the vaccine virus used in the immunogenicity test prescribed in paragraph (c) of this section to assure that, when tested at any time within the expiration period, each serial and subserial shall have a virus titer $10^{0.7}$ times greater than that used in the immunogenicity test, but not less than $10^{2.0}$ titration units (PFU or ID_{50}) per dose.

(4) *Identity.* Bulk or final container samples of completed product from each serial shall be tested for identity as prescribed in paragraph (b)(3) of this section and shall meet the criteria stated therein.

[50 FR 438, Jan. 4, 1985. Redesignated at 55 FR 35562, Aug. 31, 1990, as amended at 56 FR 66784, 66786, Dec. 26, 1991; 64 FR 43045, Aug. 9, 1999]

DIAGNOSTICS AND REAGENTS

§§ 113.400—113.405 [Reserved]

§ 113.406 Tuberculin, Intradermic.

Tuberculin, Intradermic, is a filtrate produced from cultures of Pn, C, and Dt strains of *Mycobacterium tuberculosis* (supplied by Animal and Plant Health Inspection Service) which has been inactivated and is non-toxic. Each serial shall be tested for purity, safety, potency, and special chemical tests in accordance with the conditions prescribed for each test. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Each serial shall be tested for purity as provided in this paragraph.

(1) Final container samples of completed product shall be tested for viable bacteria and fungi as prescribed in §113.26.

(2) A 20 ml sample shall be centrifuged and the sediment examined microscopically for the presence of acidfast (Ziehl-Nielsen stain) or other microorganisms (Gram stain). A serial which contains microorganisms is unsatisfactory for release.

(b) *Safety test.* Final container samples of completed product from each serial shall be tested for safety. Two mature guinea pigs shall be injected subcutaneously with 1 ml and observed for 10 days. If unfavorable reactions attributable to the product occur during the observation period, the serial is unsatisfactory. If unfavorable reactions occur which are not attributable to the product, the test shall be declared inconclusive and repeated: *Provided,* That if the test is not repeated, the serial shall be declared unsatisfactory.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be subjected to a comparison test using a Reference Tuberculin supplied by Animal and Plant Health Inspection Service. Test animals shall be 10 sensitized white female

guinea pigs from one source which weigh 500–700 grams at the beginning of the test and which have not been used in a previous test. The comparison test shall be conducted in accordance with the procedures prescribed in paragraphs (c)(1), (2), (3), (4), (5), (6), (7), and (8) of this section.

(1) The guinea pigs shall be sensitized with a sterile heat-killed suspension of equal amounts of strains Pn, C, and Dt of *Mycobacterium tuberculosis.* The heat-killed sensitizing agent shall be injected in a volume of 0.5 ml per guinea pig. The guinea pigs shall be considered sensitized for testing not less than 30 days nor more than 120 days post-injection.

(2) The guinea pigs shall be prepared for sensitivity testing at least 4 hours prior to the injection of tuberculin. The entire abdominal and flank areas shall be clipped, a depilatory agent applied for 5–10 minutes, the area rinsed with warm water, and dried.

(3) Dilutions of 1:100, 1:200, and 1:400 shall be prepared with the Reference Tuberculin and the unknown tuberculin. Three test sites on each side of and equidistant from the abdominal midline shall be chosen on each guinea pig. Using a tuberculin syringe and needle, 0.05 ml of each dilution shall be injected intradermally at one of the test sites which has been randomly selected for the dilution.

(4) The sensitivity of the tuberculins shall be determined 24 hours after injected by measuring the area of erythema. Measurements in millimeters shall be made anterior of the greatest diameter and perpendicular to the first measurement. The square millimeter shall be calculated by multiplying the two measurements.

(5) The total area of response for each tuberculin tested shall be determined by adding the areas of erythema for each dilution of each of the test animals in a group. The sums of the areas of erythema for all three dilutions of each tuberculin shall be added to give the total area of tuberculin response.

(6) The total tuberculin response area of the serial being tested shall be expressed as a percentage of the total tuberculin response area of the Reference Tuberculin. (The total response area of the serial divided by the total response area of the Reference Tuberculin times 100.)

(7) If the total tuberculin response area of the serial being tested does not fall between 75 percent and 125 percent of the total tuberculin response area of the Reference Tuberculin, the serial is unsatisfactory.

(8) Two unsensitized guinea pigs are given 0.05 ml intradermal injections of 1:4 and 1:10 dilutions of both the serial being tested and the Reference Tuberculin as a control for nonspecific positive reactions. If positive reactions are observed with the Reference Tuberculin, the test is considered a ''No Test'' and repeated. If positive reactions are observed with the serial being tested only, the serial is unsatisfactory.

(d) *Special chemical tests and requirements.* Final container samples of completed product from each serial shall be tested as follows:

(1) *Hydrogen ion concentration.* The hydrogen ion concentration shall be determined with a pH meter which has been standardized with a pH 7.0 buffer just prior to use. The pH of the product shall be 7.0±0.3.

(2) *Total nitrogen determination.* The nitrogen content shall be determined by the Kjeldahl method on duplicate 15 ml samples consisting of 5 ml from each of three vials. The total nitrogen content of the product shall be 0.18 percent±0.06 percent.

(3) *Trichloroacetic acid precipitable nitrogen.* The determination of precipitable nitrogen by a final concentration of 4 percent trichloroacetic acid shall be made by the Kjeldahl method on duplicate 15 ml samples, consisting of 5 ml from each of three vials. The trichloroacetic acid precipitable nitrogen content shall be 0.047 percent±0.01 percent.

(4) *Phenol determination.* The phenol content shall be determined by direct titration with a standardized bromide-bromate solution. (A correction factor of 0.04 should be subtracted from the final value in the determination of phenol in tuberculin.) The phenol content shall be 0.54 percent±0.04 percent.

(5) *Clarity.* The product shall be optically clear and free from any extraneous particles.

[39 FR 16857, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974. Redesignated at 55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66784, Dec. 26, 1991

§ 113.407 Pullorum antigen.

Pullorum Antigen shall be produced from a culture of representative strains of *Salmonella pullorum* which are of known antigenic composition, high agglutinability, but are not sensitive to negative and nonspecific serum. Each serial shall be tested for purity, density, preservative content, sensitivity, homogeneity, and hydrogen ion concentration. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Final container samples of completed product shall be tested for viable bacteria and fungi as prescribed in § 113.26. In addition, each serial shall be free from extraneous organisms as determined by Gram staining and microscopic examination.

(b) *Nephelometric determination of bacterial density.* The bacterial density shall be 80±15 times McFarland No. 1 standard for stained antigen K's and 50±10 times McFarland No. 1 standard for tube antigen.

(c) *Preservative requirements.* (1) The formalin content of Pullorum Stained Antigen K shall be 1.0±0.2 percent as determined by a colorimetric method.

(2) The phenol content for Pullorum Tube Antigen shall be 0.55±0.05 percent as determined by direct titration with a standardized bromide-bromate solution.

(d) *Sensitivity requirements.* (1) Each serial of antigen shall be compared with a reference antigen of known sensitivity using positive and negative chicken serum. The manufacturers' recommendations for use on the accompanying label or package insert shall be followed. The recommended time limit specified for each antigen shall be carefully observed in the test.

(2) A total of at least 12 serums shall be used. This shall include at least three definitely positive, at least three weakly positive, and at least six negative serums. At least three positive chicken serums diluted with negative chicken serum shall be used to further assay comparative sensitivity between test and reference plate antigens. All test antigens shall agree closely with the reference antigen. Tests in which variation of readings between the reference and test antigen would result in a different National Poultry Improvement Plan classification shall be regarded as unsatisfactory. No unsatisfactory tests among the six or more negative serums and not more than one unsatisfactory test among the six or more positive serums shall be permitted. All tests performed shall be included for evaluation of the sensitivity assay. In the event of an unsatisfactory test using positive serums, at least three additional definitely positive and three additional weakly positive serums shall be tested. If not more than one unsatisfactory test is obtained with the additional serums, the antigen shall be acceptable.

(e) *Homogeneity requirement.* Antigens shall show no evidence of autoagglutination or unusual appearance such as the presence of flakes, specks, or a preponderance of filament forms. Microscopic examination shall be made in this determination.

(f) *Hydrogen ion concentration.* The hydrogen ion concentration shall be determined with a pH meter which has been standardized with a pH 4.0 buffer just prior to use. The pH of Pullorum Stained Antigen K shall be 4.6±0.4. No pH level is specified for Pullorum Tube Antigen but after dilution as recommended for use, it shall have a pH of 8.2 to 8.5.

[39 FR 16857, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974, and amended at 40 FR 760, Jan. 3, 1975. Redesignated at 55 FR 35561, Aug. 31, 1990]

§ 113.408 Avian mycoplasma antigen.

Mycoplasma antigens shall be prepared from organisms, grown in broth cultures, that are inactivated and standardized. Plate antigens shall be stained with a dye acceptable to Animal and Plant Health Inspection Service (APHIS). Final container samples of completed product from each serial shall be tested for density, preservative content, homogeneity, hydrogen ion concentration, purity, sensitivity, and

specificity in accordance with the conditions prescribed for each test. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Density requirements.* A 2.5 ml sample of completed antigen shall be diluted with 2.5 ml of buffer solution formulated in the same manner as the vehicle of the antigen being tested in a modified Hopkins tube and then sedimented at 1,000 x g in a refrigerated centrifuge at 20° C for 90 minutes. If the packed cell volume of the completed antigen is not 1.2 percent (±0.4 percent), the serial is unsatisfactory.

(b) *Preservative requirements.* Preservatives shall be as specified in the Outline of Production filed with APHIS in accordance with 9 CFR 114.8. If phenol is used, a direct titration with a standardized bromide-bromate solution shall be made. If the final concentration of phenol is not 0.25 percent (±0.05 percent), the serial is unsatisfactory.

(c) *Homogeneity requirements.* (1) Plate antigen shall be checked on a plate for homogeneity and autoagglutination. If plate antigen is not homogeneous and free of large visible particles (strands or clumps) or if it autoagglutinates, the serial is unsatisfactory.

(2) Stereo-microscopic examination shall be used when necessary to evaluate a granular appearing antigen.

(d) *Hydrogen ion concentration.* The hydrogen ion concentration shall be determined with a pH meter which has been standardized with a pH buffer just prior to use. The pH of Mycoplasma Gallisepticum Antigen shall be 6.0±0.2. The pH of Mycoplasma Synoviae Antigen and Mycoplasma Meleagridis Antigen shall be 7.0±0.2.

(e) *Purity requirements.* The antigen shall be tested for viable bacteria and fungi as prescribed in § 113.26.

(f) *Sensitivity requirements.* The reactivity of each antigen shall be tested by comparing the agglutination reactions of each serial of antigen with the agglutination reactions of a standard reference antigen which is supplied by or acceptable to APHIS. A set consisting of five known positive and five known negative serums shall be used. The negative serums shall be tested against the antigens undiluted and the positive serums shall be tested against the antigens diluted 1:4 in buffer solution formulated in the same manner as the vehicle of the antigen being tested. If negative serums do not have negative reactions in this test, the serial is unsatisfactory. If the test antigen and the reference antigen do not have the same agglutination reactions with at least four of the five positive serums used, the serial is unsatisfactory.

(1) The sensitivity of Mycoplasma Gallisepticum Antigen shall be tested using a set of chicken and a set of turkey serums (the positive serums shall have varying degrees of reactivity from weakly positive to strongly positive).

(2) The sensitivity of Mycoplasma Synoviae Antigen shall be tested using chicken serums.

(3) The sensitivity of Mycoplasma Meleagridis Antigen shall be tested using turkey serums.

(g) *Specificity requirements.* Mycoplasma Synoviae Antigen shall be examined for cross-agglutination with five *Mycoplasma gallisepticum* antiserums (chicken origin); Mycoplasma Meleagridis Antigen shall be examined for cross-agglutination with five *Mycoplasma gallisepticum* antiserums (turkey origin) and five *Mycoplasma synoviae* antiserums (turkey origin). Tests shall be conducted with undiluted antigen. If cross-agglutination occurs, the serial is unsatisfactory.

[48 FR 33474, July 22, 1983. Redesignated at 55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66784, Dec. 26, 1991]

§ 113.409 Tuberculin—PPD Bovis, Intradermic.

Tuberculin—PPD Bovis, Intradermic is a purified protein derivative produced from cultures of *Mycobacterium bovis* Strain AN–5 (supplied by Animal and Plant Health Inspection Service), which has been inactivated and is nontoxic. Each serial shall be tested for purity, safety, potency, and special chemical characteristics in accordance with the conditions prescribed for each test. A serial found unsatisfactory by any prescribed test shall not be released.

(a) *Purity test.* Each serial shall be tested for viable bacteria and fungi as prescribed in § 113.26.

(b) *Safety test.* Final container samples of completed product from each serial shall be tested for safety as prescribed in § 113.38.

(c) *Potency test.* Bulk or final container samples of completed product from each serial shall be subjected to a comparison specificity test using a Reference PPD Tuberculin supplied by Animal and Plant Health Inspection Service.

(1) *Test animals.* White female guinea pigs from one source, which weigh 500 to 700 grams at the beginning of the test, and which have not been used in a previous test, shall be used in the specificity test. Twenty-three guinea pigs (10 sensitized with *M. bovis,* 10 sensitized with *M. avium* and three unsensitized) shall be required for each serial being tested, and 20 guinea pigs (10 sensitized with *M. bovis* and 10 sensitized with *M. avium*) shall be required for the Reference PPD Tuberculin. Allowance should be made for deaths during the sensitization period.

(2) *Sensitization of guinea pigs.*

(i) Sensitize one group of guinea pigs to *M. bovis.* Inject each animal intramuscularly with 0.5 ml of a sterile heat-killed suspension of *M. bovis* Strain AN–5 supplied by Animal and Plant Health Inspection Service.

(ii) Sensitize one group of guinea pigs to *M. avium.* Inject each animal intramuscularly with 0.5 ml of a sterile heat-killed suspension of *M. avium* Strain D–4 supplied by Animal and Plant Health Inspection Service.

(iii) Maintain an unsensitized group as control animals.

(3) Thirty-five days post-injection, the guinea pigs shall be used for tuberculin testing.

(4) The sensitized animals and controls shall be prepared at least 4 hours prior to injection of PPD tuberculin by clipping the hair from the entire abdominal and flank areas, applying a depilatory agent for 5 to 10 minutes, then rinsing with warm water and drying.

(i) Select four sites on each guinea pig for injection of PPD tuberculin. Two sites shall be on each side of the midline and spaced a sufficient distance from each other to avoid overlapping of skin reactions.

(ii) Prepare four dilutions of the Reference PPD Tuberculin and each serial of PPD tuberculin being tested so as to contain 0.6, 1.2, 2.4, and 4.8 micrograms of protein per 0.1 ml dose. Each of the four dilutions of the same tuberculin shall be randomly assigned a site on a guinea pig.

(iii) Inject one dose of each dilution at the assigned site using a tuberculin syringe.

(5) *Measurement of skin reactions.* Measure the area of erythema produced at each site on each guinea pig 24 hours following injection of PPD tuberculin. Measurements in millimeters shall be made anterior to posterior across the greatest diameter and perpendicular to the first measurement. Calculate the area of erythema in square millimeters at each site by multiplying the two measurements.

(6) *Calculation of average response per guinea pig.* Obtain the total area of erythema for each guinea pig by adding the areas of the four test sites. Add these composite areas of erythema from all guinea pigs with the same sensitization and the same PPD tuberculin injection, then divide by the number of animals in the group. The number obtained is the average response per guinea pig to the PPD tuberculin for the given type of sensitization.

(7) *Determination of specificity index.* The specificity index of a PPD tuberculin is determined by subtracting the average response obtained on *M. avium* sensitized guinea pigs from the average response obtained on *M. bovis* sensitized guinea pigs.

(8) *Validity of bioassay.* The bioassay test results obtained on serials tested concurrently in a single test series are valid if the specificity index of the reference PPD tuberculin is at least 400 square millimeters. If the results are not valid, the bioassay test series must be repeated with a different set of sensitized guinea pigs.

(9) *Reactions in unsensitized guinea pigs.* If a positive reaction (erythema) is observed in one or more of the 3 unsensitized guinea pigs, the serial is unsatisfactory.

(10) *Interpretation of specificity index.* When a bioassay is valid and reactions are not observed in unsensitized guinea pigs, the following interpretation of the specificity index will be used for

classifying each serial of PPD tuberculin:

Specificity index	Classification
440 mm^2 or greater	Satisfactory.
Between 360 mm^2 and 440 mm^2	Inconclusive.
Less than 360 mm^2	Unsatisfactory.

(11) *Second stage test.* If a serial is classified as inconclusive, it can be declared unsatisfactory or undergo a second stage test. The second stage shall be conducted in a manner identical to the first stage, except that unsensitized guinea pig controls are not necessary. The results are evaluated by combining the results obtained on all guinea pigs tested in stages one and two. Calculate the average response on the 20 *M. bovis* sensitized animals and on the 20 *M. avium* sensitized animals and determine the specificity index. An inconclusive serial is satisfactory after the second stage test, if its specificity index is 400 square millimeters or more, and unsatisfactory if its specificity index is less than 400 square millimeters.

(d) *Special chemical tests and requirements.* Final container samples of completed product from each serial shall be tested as follows:

(1) *Protein concentration.* The final product shall contain a protein concentration of 1.0±0.1 mg/ml. The Microkjeldahl Test for Nitrogen shall be used.

(2) *Phenol content.* Phenol content of the final product shall be 0.50 percent plus or minus 0.04 percent. A direct titration with a standardized bromide-bromate solution shall be conducted.

[41 FR 8471, Feb. 27, 1976, as amended at 41 FR 21760, May 28, 1976; 41 FR 32883, Aug. 6, 1976. Redesignated at 55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66784, Dec. 26, 1991]

ANTIBODY PRODUCTS

§ 113.450 General requirements for antibody products.

Unless otherwise prescribed in a Standard Requirement or in a filed Outline of Production, all antibody products shall meet the applicable requirements of this section.

(a) *Terminology.* The following terms in the regulations and standards concerning antibody products shall mean:

Antibody. An immunoglobulin molecule, having a precise glycoprotein structure, produced by certain cells of the B lymphocyte lineage in response to antigenic stimulation, and functioning to specifically bind and influence the antigens that induced its synthesis.

IgG (Immunoglobulin G). One of the several recognized classes of structurally related glycoproteins whose representatives include all known antibodies.

Monoclonal. Produced by, or derived from, the offspring of a single common progenitor cell.

Failure of passive transfer. A condition of neonates characterized by an abnormally low concentration of circulating maternal IgG.

(b) *Nomenclature.* Antibody products shall be named as follows:

(1) *Virus-specific products.* The true name of a virus-specific product shall: include the term ''antibody,'' specify the disease for which the product is intended, and indicate the type of animal that supplied the component antibodies. If the antibodies are monoclonal, the term ''monoclonal'' shall be used. Example: ''Duck Virus Hepatitis Antibody, Duck Origin.''

(2) *Bacterium-specific products.* The true name of a bacterium-specific product shall: include the term ''antibody'' if the component antibodies are directed against a nontoxin antigen or the term ''antitoxin'' if the component antibodies are directed against toxin, specify the organism against which the product is intended, and indicate the type of animal that supplied the component antibodies. If the antibodies are monoclonal, the term ''monoclonal'' shall be used. Example: ''Escherichia Coli Monoclonal Antibody, Murine Origin.''

(3) *Failure of passive transfer products.* The true name of a product for treatment of failure of passive transfer shall include the term ''IgG'' and indicate the type of animal that supplied the component IgG. Example: ''Bovine IgG.''

(4) *Combination products.* The true name of a product for treatment of failure of passive transfer as well as for the prevention and/or alleviation of a specific viral or bacterial disease shall

be named according to the nomenclature prescribed above for virus-specific or bacterium-specific products.

(c) *Animals.* All animals used in the production of antibody products shall be healthy. Their health status shall be determined by physical examination by, or under the direct supervision of, a licensed veterinarian and by tests for infectious diseases. Such animals shall be maintained at licensed establishments: *Provided,* That cows maintained at Grade A dairies (or the equivalent) that are not injected with antigens for the purpose of stimulating the production of specific antibodies and that are used only for the purpose of supplying lacteal secretions are exempt from being maintained at a licensed establishment.

(1) No animal shall be used while showing clinical signs of disease. The presence of minor localized injuries or lesions (contusions, lacerations, burns, etc.) without body temperature elevation and without significant pain and distress shall not be construed as clinical evidence of disease.

(2) Before first use and on a regular basis, all animals used in the manufacture of antibody products shall be individually subjected to applicable tests for infectious diseases. Records of all test results shall be maintained. An animal which tests positive for an infectious disease shall not be used in the manufacture of antibody products. Retests shall be conducted as deemed necessary by the Administrator.

(i) Before first use, horses shall be tested as follows for:

(A) Equine infectious anemia (EIA) at a laboratory approved by APHIS.

(B) Piroplasmosis, dourine, and glanders at the National Veterinary Services Laboratories.

(C) Brucellosis at a laboratory approved by APHIS. Horses with standard agglutination titers of 1:50 or less can be used for production. Horses with standard agglutination titers equal to or greater than 1:100 may be tested by the Rivanol or card tests. Reactors to these supplemental tests shall not be used for production. Nonreactors to the supplemental tests shall be retested after 30 days. If the supplemental tests are negative and the agglutination titer has not increased, the animal may be used for production. Otherwise, the animal is unsatisfactory for this purpose.

(ii) Horses shall be retested annually for EIA and, if housed or pastured with any other species, shall be retested annually for brucellosis.

(iii) Before first use, cattle shall be tested as follows for:

(A) Tuberculosis by an accredited veterinarian: *Provided,* That cattle at Grade A dairies supplying only lacteal secretions need only be tested for tuberculosis in accordance with applicable Milk Ordinances or similar laws or regulations.

(B) Brucellosis at a laboratory approved by APHIS. Cattle with standard agglutination titers of 1:50 or less can be used for production. Cattle with standard agglutination titers equal to or greater than 1:100 may be tested by the Rivanol or card tests. Reactors to these supplemental tests shall not be used for production. Nonreactors to the supplemental tests shall be retested after 30 days. If the supplemental tests are negative and the agglutination titer has not increased, the animal may be used for production; otherwise, the animal is unsatisfactory for this purpose. Cattle at Grade A dairies supplying only lacteal secretions need not be tested individually for brucellosis if a portion of their secretions contribute to the herd milk pool tested as required by the brucellosis ring test. An animal of a herd testing positive by this test shall not be used in production.

(iv) Cattle shall be retested annually for both tuberculosis and brucellosis. Cattle at Grade A dairies supplying only lacteal secretions need only be tested for tuberculosis in accordance with applicable Milk Ordinances or similar laws or regulations. Cattle at Grade A dairies supplying only lacteal secretions need not be tested individually for brucellosis if a portion of their secretions contribute to the herd milk pool tested as required by the brucellosis ring test. An animal of a herd testing positive by this test shall not be used in production.

(v) For other species, appropriate tests and the frequency with which they are applied shall be specified in

the filed Outline of Production for the product.

(vi) If a positive result is obtained on any prescribed test, the positive animal(s) shall be removed from the herd and the remaining animals retested. Production shall not be renewed until a negative herd test is obtained not less than 28 days following removal of the positive animal(s).

(vii) Negative animals shall be maintained separate and apart from untested or positive animals of any species. Production animals shall not be used for any other purpose, such as testing, work, or recreation.

(d) *Collection procedures.* Blood, lacteal secretions, and egg material shall be collected as described in the filed Outline of Production for the product.

(e) *Ingredient handling and processing.* Blood derivatives (serum, plasma, etc.), lacteal secretions, and egg material used in the production of antibody products shall be subjected to an appropriate procedure for the inactivation of potential contaminating microorganisms. The procedure shall be one of those described below and specified in the filed Outline of Production for the product: *Provided,* That another procedure may be substituted if demonstrated to be at least as effective by data acceptable to APHIS and specified in the filed Outline of Production for the product. These data are expected to come from a study comparing the effectiveness of the established and substitute procedures against a satisfactory battery of potential contaminating microorganisms.

(1) Blood derivatives of equine origin shall be heated at 58.0–59.0°C for 60 minutes, and blood derivatives of bovine, porcine, or other origin shall be heated at 58.0–59.0°C for 30 minutes. In lieu of heat treatment, blood derivatives of any origin may be treated with at least 2.5 megarads of ionizing radiation, with a maximum radiation dosage specified in the filed Outline of Production for the product.

(2) Lacteal secretions shall be heated as described in paragraph (e)(1) of this section, or shall be pasteurized at either 72°C for 15 seconds or 89°C for 1 second using appropriate equipment. In lieu of the heat treatment regimens prescribed, lacteal secretions may be treated with at least 2.5 megarads of ionizing radiation, with a maximum radiation dosage specified in the Outline of Production for the product.

(3) Egg material shall be heated at 58.0–59.0°C for 30 minutes, or treated with at least 2.5 megarads of ionizing radiation, with a maximum radiation dosage specified in the filed Outline of Production for the product.

(4) Blood derivatives, lacteal secretions, and egg material shall not contain preservatives at the time of heat treatment, and immediately after heat treatment shall be cooled to 7°C or lower.

(5) Licensees shall keep detailed records as to each batch treated and each serial of product prepared for marketing. Recording charts shall bear full information concerning the material treated and tests made of the equipment used for treatment.

(f) *Preservatives.* Liquid antibody products, except those immediately frozen following preparation and maintained in a frozen state until time of use, shall contain at least one preservative from the following list, within the range of concentration set forth:

(1) Phenol 0.25 to 0.55 percent, or

(2) Cresol 0.10 to 0.30 percent, and/or

(3) Thimerosal 0.01 to 0.03 percent, or

(4) Other preservative(s) specified in the filed Outline of Production for the product.

(g) *Antigens for hyperimmunization.* If animals are hyperimmunized to generate antibodies for a product for the prevention and/or alleviation of a specific infectious disease, and a USDA-licensed veterinary biological product is not employed for this purpose, the following shall apply:

(1) For each antigen, a Master Seed shall be established.

(i) Bacterial Master Seeds shall be tested for purity and identity as prescribed for live bacterial vaccines in § 113.64.

(ii) Viral Master Seeds shall be tested for purity and identity as prescribed for live virus vaccines in § 113.300.

(2) The maximum allowable passage level of the hyperimmunizing antigen shall be the passage level of the antigen used to generate product shown to be efficacious and shall not exceed 10 passages from the Master Seed.

(h) *Purity tests.* Final container samples of each serial and each subserial shall be tested for viable bacteria and fungi as follows:

(1) Dried products for parenteral administration and liquid products shall be tested as prescribed in § 113.26.

(2) For dried products for oral administration, 10 final container samples shall be reconstituted with sterile water at the volume recommended on the label and tested for the following contaminants:

(i) *Coliforms.* One milliliter of each rehydrated sample shall be pipetted into a 100×15 mm petri dish and 10–15 ml of violet red bile agar at 45–50° C added. The plate shall be manipulated to coat its entirety with the agar-sample mixture and allowed to stand until the mixture solidifies. The plate shall then be incubated at 35° C for 24 hours. A positive control plate and a negative control plate shall be prepared at the same time and in the same manner as the plates containing samples of the serial. All plates shall be examined at the end of the incubation period. If characteristic growth is observed on the negative control plate, or no characteristic growth is observed on the positive control plate, the test shall be considered inconclusive and may be repeated. If characteristic growth is observed on any of the 10 plates containing samples of the serial, one retest to rule out faulty technique may be conducted on samples from 20 final containers. If characteristic growth is observed on any of the retest plates, or if a retest is not initiated within 21 days of the completion of the original test, the serial or subserial is unsatisfactory.

(ii) *Salmonellae.* One milliliter of each rehydrated sample shall be pipetted into a 100×15 mm petri dish and 10–15 ml of brilliant green agar at 45–50° C added. The dish shall be manipulated to coat its entirety with the agar-sample mixture and allowed to stand until the mixture solidifies. The plate shall then be incubated at 35° C for 24 hours. A positive control plate and a negative control plate shall be prepared at the same time and in the same manner as the plates containing samples of the serial. All plates shall be examined at the end of the incubation period. If characteristic growth is observed on the negative control plate, or no characteristic growth is observed on the positive control plate, the test shall be considered inconclusive and may be repeated. If characteristic growth is observed on any of the 10 plates containing samples of the serial, one retest to rule out faulty technique may be conducted on samples from 20 final containers. If characteristic growth is observed on any of the retest plates, or if a retest is not initiated within 21 days of the completion of the original test, the serial or subserial is unsatisfactory.

(iii) *Fungi.* One milliliter of each rehydrated sample shall be pipetted into a 100×15 mm petri dish and 10–15 ml of appropriately acidified potato dextrose agar at 45–50° C added. The plate shall be manipulated to coat its entirety with the agar-sample mixture and allowed to stand until the mixture solidifies. The plate shall then be incubated at 20–25° C for 5 days. A positive control plate and a negative control plate shall be prepared at the same time and in the same manner as the plates containing samples of the serial. All plates shall be examined at the end of the incubation period. If growth is observed on the negative control plate, or no growth is observed on the positive control plate, the test shall be considered inconclusive and may be repeated. If growth is observed on any of the 10 plates containing samples of the serial, one retest to rule out faulty technique may be conducted on samples from 20 final containers. If growth is observed on any of the retest plates, or if a retest is not initiated within 21 days of the completion of the original test, the serial or subserial is unsatisfactory.

(iv) *Total bacterial count.* One milliliter of each rehydrated sample, undiluted or diluted as prescribed in the Outline of Production, shall be pipetted into a 100×15 mm petri dish and 10–15 ml of tryptone glucose extract agar at 45–50° C added. The plate shall be manipulated to coat its entirety with the agar-sample mixture and allowed to stand until the mixture solidifies. The plate shall then be incubated at 35° C for 48 hours. A positive control plate and a negative control plate shall be prepared at the same time and in the

same manner as the plates containing samples of the serial. All plates shall be examined at the end of the incubation period. If growth is observed on the negative control plate, or no growth is observed on the positive control plate, the test shall be considered inconclusive and may be repeated. If the average number of bacterial colonies on the 10 plates containing samples of the serial exceeds that specified in the filed Outline of Production for the product, one retest to rule out faulty technique may be conducted on samples from 20 final containers. If the average number of bacterial colonies on the retest plates exceeds that specified in the filed Outline of Production for the product, or if a retest is not initiated within 21 days of the completion of the original test, the serial or subserial is unsatisfactory.

(i) *Safety tests.* Bulk or final container samples of each serial shall be tested as prescribed in § 113.33(b). Dried product shall be reconstituted as indicated on the label and 0.5 ml injected per mouse.

[61 FR 51774, Oct. 4, 1996]

§ 113.451 Tetanus Antitoxin.

Tetanus Antitoxin is a specific antibody product containing antibodies directed against the toxin of *Clostridium tetani.* Each serial shall meet the applicable general requirements provided in § 113.450 and paragraph (a) of this section, and be tested for potency as provided in paragraph (b) of this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *General requirements.* The amount of antitoxin in a final container shall be the amount which is delivered from such container when opened and inverted until the flow stops. A graduated volumetric cylinder which conforms to the National Institute of Standards and Technology requirements shall be used. The reading shall be made at the bottom of the meniscus. Volumes of 10 ml or less shall be recorded to the nearest 0.1 and volumes over 10 ml shall be recorded to the nearest ml.

(1) All final containers of Tetanus Antitoxin shall yield not less than the labeled unitage of antitoxin throughout the dating period. The minimum package size permitted for marketing in the United States shall be a 1,500 unit vial.

(2) The expiration date of Tetanus Antitoxin shall be not more than 3 years after the date of a potency test which demonstrates that the recoverable antitoxin from the final container provides at least 20 percent excess over the number of units claimed on the label or not more than 1 year after the date of a potency test which demonstrates that the recoverable antitoxin from the final container provides 10 to 19 percent excess over the number of units claimed on the label.

(b) *Potency test.* Bulk or final container samples of completed product from each serial shall be assayed to calculate the units of Tetanus Antitoxin in each final container. A comparative toxin-antitoxin neutralization test shall be conducted using a standard antitoxin and a standard toxin. All dilutions shall be made in M/15 phosphate buffered (pH) 7.4 physiological saline with 0.2 percent gelatin.

(1) One ml of the Standard Antitoxin shall be diluted before use so the final volume contains 0.1 unit per ml. The dilution shall be held at 20° to 25 ° C for 30 minutes prior to combination with a test does of toxin.

(2) The Standard Toxin test dose is that amount which when mixed with 0.1 unit of Standard Antitoxin, incubated at 20° to 25 ° C for 1 hour, and injected subcutaneously into a 340 to 380 gram guinea pig, results in death of that guinea pig within 60 to 120 hours with clinical signs of tetanus. The toxin shall be diluted so the test dose shall be in 2.0 ml.

(3) A mixture of diluted Standard Toxin and diluted Standard Antitoxin shall be made so that 0.1 unit of antitoxin in 1 ml is combined with a test dose of toxin. This Standard Toxin-Antitoxin mixture shall be held at 20° to 25 ° C for 1 hour before injections of guinea pigs are made.

(4) A sample from each serial of antitoxin shall be prepared as was the Standard Toxin-Antitoxin mixture; except the amount of antitoxin shall be based on an estimation of the expected potency. When testing is done on bulk material, the final container fill shall

reflect the endpoint value plus 10 percent overage for 1 year dating and 20 percent overage for 3 year dating.

(5) Normal guinea pigs weighing within a range of 340 to 380 grams shall be used. Pregnant guinea pigs must not be used.

(i) Each of two guinea pigs (controls) shall be injected subcutaneously with a 3 ml dose of the Standard Toxin-Antitoxin mixture. Injections shall be made in the same order that toxin is added to the dilutions of antitoxins. These shall be observed parallel with the titration of one or more unknown antitoxins.

(ii) Two guinea pigs shall be used as test animals for each dilution of the unknown antitoxin. A 3.0 ml dose shall be injected subcutaneously into each animal.

(6) Controls shall be observed until they are down and are unable to rise or stand under their own power. At this time they are euthanized and the time of death is recorded in hours. For a satisfactory test, the controls must reach this point with clinical signs of tetanus within 24 hours of each other and within an overall time of 60 to 120 hours. The clinical signs to be observed are increased muscle tonus, curvature of the spine, asymmetry of the body outline when the resting animal is viewed from above, generalized spastic paralysis, particularly of the extensor muscles, inability to rise from a smooth surface when the animal is placed on its side, or any combination of these signs. If the control guinea pigs do not respond in this manner, the entire test shall be repeated.

(7) Potency of an unknown antitoxin is determined by finding the mixture which will protect the test animal the same as the Standard Toxin-Antitoxin mixture. Test animals dying sooner than the controls indicate the unit value selected in that dilution was not present, whereas those living longer indicate a greater unit value.

[39 FR 16859, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974, and amended at 40 FR 760, Jan. 3, 1975; 40 FR 41996, Sept. 10, 1975; 43 FR 1479, Jan. 10, 1978; 50 FR 24905, June 14, 1985. Redesignated at 55 FR 35561, Aug. 31, 1990; 61 FR 51776, Oct. 4, 1996; 64 FR 43045, Aug. 9, 1999]

§ 113.452 Erysipelothrix Rhusiopathiae Antibody.

Erysipelothrix Rhusiopathiae Antibody is a specific antibody product containing antibodies directed against one or more somatic antigens of *Erysipelothrix rhusiopathiae.* Each serial shall be tested as provided in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) Each serial shall meet the applicable general requirements provided in § 113.450.

(b) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested using the two-stage test provided in this section.

(1) In the first stage, each of 40 Swiss mice, each weighing 16 to 20 grams, shall be injected subcutaneously with 0.1 ml of product (dried product shall be rehydrated according to label directions). Twenty-four hours postinjection, the injected mice and 10 additional mice designated controls shall be challenged subcutaneously with the same culture of *Erysipelothrix rhusiopathiae.*

(2) If less than eight of the 10 controls die from erysipelas within 7 days post-challenge, the test is invalid. All dead mice shall be examined to determine if the cause of death was *Erysipelothrix rhusiopathiae* infection.

(3) The mice injected with product shall be observed for 10 days postchallenge and all deaths recorded. The second stage shall be required when 7–10 of the mice injected with product die in the first stage. The second stage shall be conducted in a manner identical to the first stage.

(4) The results of the test shall be evaluated according to the following table:

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total number of deaths for a satisfactory test	Cumulative total number of deaths for an unsatisfactory test
1	40	40	6 or less	11 or more.

Stage	Number of vaccinates	Cumulative number of vaccinates	Cumulative total number of deaths for a satisfactory test	Cumulative total number of deaths for an unsatisfactory test
2	40	80	12 or less	13 or more.

[39 FR 16859, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974, as amended at 40 FR 20067, May 8, 1975; 40 FR 23989, June 4, 1975. Redesignated at 55 FR 35561, Aug. 31, 1990; 61 FR 51776, Oct. 4, 1996; 64 FR 43045, Aug. 9, 1999]

§ 113.453 [Reserved]

§ 113.454 Clostridium Perfringens Type C Antitoxin.

Clostridium Perfringens Type C Antitoxin is a specific antibody product containing antibodies directed against the toxin of *Clostridium perfringens* Type C. Each serial shall be tested as provided in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) Each serial shall meet the applicable general requirements provided in § 113.450.

(b) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested using the toxin-neutralization test for Beta Antitoxin provided in this section. Dried products shall be rehydrated according to label directions.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of Beta Antitoxin which reacts with L_0 and L_+ doses of Standard Toxin according to their definitions.

(ii) *L_0dose.* The largest quantity of toxin which can be mixed with one unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) *L_+dose.* The smallest quantity of toxin which can be mixed with one unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The Beta Antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium perfringens* Beta Antitoxin Standard and which is either supplied by or acceptable to Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The Beta toxin preparation which is supplied by or is acceptable to Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solution shall be made by dissolving 1 gram of peptone and 0.25 gram of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 250° F. for 25 minutes; and storing at 4° C. until used.

(2) The antitoxin content of the test sample shall be determined as follows:

(i) Make a dilution of Standard Antitoxin to contain 10 International Units of antitoxin per ml.

(ii) Make one dilution of Standard Toxin to contain 10 L_0 doses per ml and make a second dilution of Standard Toxin to contain 10 L_+ doses per ml.

(iii) Dilute 1 ml of the test sample with 49 ml of diluent and combine 1 ml of this dilution with 1 ml of the Standard Toxin diluted to contain 10 L_0 doses.

(iv) Combine 10 International Units of Standard Antitoxin with 10 L_0 doses of diluted Standard Toxin and combine 10 International Units of Standard Antitoxin with 10 L_+ doses of diluted Standard Toxin.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 24 hours post-injection and record all deaths.

(3) *Test Interpretation.* (i) If any mice inoculated with the mixture of 10 International Units of Standard Antitoxin and 10 L_0 doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with the mixture of 10 International Units of Standard Antitoxin and 10 L_+ doses of Standard

Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of Clostridium Perfringens Type C Antitoxin diluted 1:50 and 10 L_0 doses of Standard Toxin die, the antitoxin is considered to contain less than 500 International Unit per ml and the serial is unsatisfactory.

[39 FR 16859, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974. Redesignated at 55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66784, Dec. 26, 1991; 61 FR 51777, Oct. 4, 1996]

§ 113.455 Clostridium Perfringens Type D Antitoxin.

Clostridium Perfringens Type D Antitoxin is a specific antibody product containing antibodies directed against the toxin of *Clostridium perfringens* Type D. Each serial shall be tested as provided in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) Each serial shall meet the applicable general requirements provided in § 113.450.

(b) *Potency test.* Bulk or final container samples of completed product from each serial shall be tested using the toxin-neutralization test for Epsilon Antitoxin provided in this section. Dried products shall be rehydrated according to label directions.

(1) When used in this test, the following words and terms shall mean:

(i) *International antitoxin unit.* (I.U.) That quantity of Epsilon Antitoxin which reacts with L_0 and L_+ doses of Standard Toxin according to their definitions.

(ii) *L_0dose.* The largest quantity of toxin which can be mixed with one-tenth unit of Standard Antitoxin and not cause sickness or death in injected mice.

(iii) *L_+dose.* The smallest quantity of toxin which can be mixed with one-tenth unit of Standard Antitoxin and cause death in at least 80 percent of injected mice.

(iv) *Standard antitoxin.* The Epsilon Antitoxin preparation which has been standardized as to antitoxin unitage on the basis of the International *Clostridium perfringens* Epsilon Antitoxin Standard and which is either supplied by or acceptable to Animal and Plant Health Inspection Service. The antitoxin unit value shall be stated on the label.

(v) *Standard toxin.* The Epsilon toxin preparation which is supplied by or is acceptable to Animal and Plant Health Inspection Service.

(vi) *Diluent.* The solution used to make proper dilutions prescribed in this test. Such solution shall be made by dissolving 1 gram of peptone and 0.25 gram of sodium chloride in each 100 ml of distilled water; adjusting the pH to 7.2; autoclaving at 250° F. for 25 minutes; and storing at 4° C. until used.

(2) The antitoxin content of the test sample shall be determined as follows:

(i) Make a dilution of Standard Antitoxin to contain 1 International Unit of antitoxin per ml.

(ii) Make one dilution of Standard Toxin to contain 10 L_0 doses per ml and make a second dilution of Standard Toxin to contain 10 L_+ doses per ml.

(iii) Dilute 1 ml of the test sample with 33 ml of diluent and combine 1 ml of this dilution with 1 ml of the Standard Toxin diluted to contain 10 L_0 doses.

(iv) Combine 1 International Unit of Standard Antitoxin with 10 L_0 doses of Standard Toxin and combine 1 International Unit of Standard Antitoxin with 10 L_+ doses of Standard Toxin.

(v) Neutralize all toxin-antitoxin mixtures at room temperature for 1 hour, and hold in ice water until injections of mice can be made.

(vi) Five Swiss white mice, each weighing 16–20 grams, shall be used for each toxin-antitoxin mixture. A dose of 0.2 ml shall be injected intravenously into each mouse. Conclude the test 24 hours post-injection and record all deaths.

(3) Test Interpretation. (i) If any mice inoculated with the mixture of 1 International Unit of Standard Antitoxin and 10 L_0 doses of Standard Toxin die, the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(ii) If less than 80 percent of the mice inoculated with mixture of 1 International Unit of Standard Antitoxin and 10 L_+ doses of Standard Toxin die,

the results of the test are inconclusive and shall be repeated: *Provided,* That, if the test is not repeated, the serial shall be declared unsatisfactory.

(iii) If any mice inoculated with the mixture of Clostridium Perfringens Type D Antitoxin diluted 1:34 and 10 L_0 doses of Standard Toxin die, the antitoxin is considered to contain less than 34 International Units per ml and the serial is unsatisfactory.

[39 FR 16859, May 10, 1974. Redesignated at 39 FR 25463, July 11, 1974, as amended at 40 FR 760, Jan. 3, 1975. Redesignated at 55 FR 35561, Aug. 31, 1990, as amended at 56 FR 66784, Dec. 26, 1991; 61 FR 51777, Oct. 4, 1996]

§§ 113.456–113.498 [Reserved]

§ 113.499 Products for treatment of failure of passive transfer.

A product for the treatment of failure of passive transfer (FPT) shall contain a specified minimum quantity of IgG per dose and shall be recommended for use only in neonates of the same species as that of antibody origin. A product for oral administration shall not be recommended for use in animals more than 24 hours of age, while one for parenteral administration shall only be recommended for use in neonatal animals. Each serial shall meet the applicable general requirements provided in § 113.450 and be tested for potency as provided in this section. Any serial found unsatisfactory by a prescribed test shall not be released.

(a) *Qualification of an IgG Reference Product.* An IgG Reference Product (reference) shall be a serial of product that is manufactured according to the filed Outline of Production, properly qualified, and used to assess the potency of subsequent product serials, as described in paragraph (c) below. The reference shall be qualified as follows:

(1) At least 20 newborn, colostrum-deprived animals of the species for which the product is recommended shall be randomly selected.

(2) Blood samples shall be taken from each animal.

(3) Each animal shall be administered one dose of reference by the recommended route and shall be observed for 24 hours.

(i) Any adverse reactions shall be recorded.

(ii) The dosage of reference administered to each animal shall be in accordance with label directions. Label directions may indicate a single dosage regardless of weight, in which case the animals in the study shall be at or near the maximum weight for neonates of the species.

(4) After 24 hours, blood samples shall be taken from each animal.

(5) Pretreatment and post treatment serum IgG concentrations shall be concurrently determined for each animal using a radial immunodiffusion (RID) method acceptable to APHIS and described in the filed Outline of Production for the product.

(6) Concurrently, using the same method, five IgG measurements shall be made on an IgG Species Standard supplied or approved by APHIS. The IgG Species Standard shall be a preparation that contains IgG specific for the species in question at a concentration acceptable to APHIS.

(7) For an IgG Reference Product to be satisfactory, all animals used to qualify the reference must remain free of unfavorable product-related reactions and at least 90 percent of the paired serum samples must reflect an increase in IgG concentration (posttreatment minus pretreatment concentration) equal to or greater than the IgG concentration of the IgG Species Standard.

(b) *Antibody functionality.* Prior to licensure, the prospective licensee shall perform a neutralization study, or another type of study acceptable to APHIS, to demonstrate functionality of product antibody.

(c) *Potency.* Bulk or final container samples of completed product from each serial shall be tested for IgG content as provided in this paragraph. Samples of the test serial and of an IgG Reference Product established in accordance with paragraph (a) of this section shall be concurrently tested for IgG content by the RID method referred to in paragraph (a)(5) of this section. Five IgG measurements shall be made on each. If the IgG level per dose of the test serial does not meet or exceed that of the reference, one complete retest, involving five IgG measurements on both the reference and two samples of the test serial, may be

conducted. If, upon retest, the average IgG level per dose of the two samples of the test serial does not meet or exceed that of the reference, or if a retest is not conducted, the serial is unsatisfactory.

[61 FR 51777, Oct. 4, 1996]

PART 114—PRODUCTION REQUIREMENTS FOR BIOLOGICAL PRODUCTS

Sec.

114.1 Applicability.
114.2 Products not prepared under license.
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AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 39 FR 16869, May 10, 1974, unless otherwise noted.

§ 114.1 Applicability.

Unless exempted by regulation or otherwise authorized by the Administrator, all biological products prepared, sold, bartered or exchanged, shipped or delivered for shipment in or from the United States, the District of Columbia, any Territory of the United States, or any place under the jurisdiction of the United States shall be prepared in accordance with the regulations in this part. The licensee or permittee shall adopt and enforce all necessary measures and shall comply with all directions the Administrator prescribes for carrying out such regulations.

[52 FR 11026, Apr. 7, 1987, as amended at 56 FR 66784, Dec. 26, 1991]

§ 114.2 Products not prepared under license.

(a) When an establishment license is issued, if biological products which were not prepared in compliance with the regulations are in the establishment, such products shall not be shipped or delivered for shipment or otherwise dealt with as having been prepared under such regulations.

(b) Except as provided in 9 CFR part 103, a biological product shall not be prepared in a licensed establishment unless the person to whom the establishment license is issued holds an unexpired, unsuspended, and unrevoked product license issued by the Administrator to prepare such biological product, or unless the products prepared are subject to the provisions of § 107.2 of this subchapter.

(c) A biological product produced in a USDA-licensed establishment shall be produced under a U.S. Veterinary Biological Product License or a license granted by a State under § 107.2 (referred to as a State biological product license and the products prepared pursuant thereto as State-licensed biological products, including autogenous biologics), but not under both a U.S. Veterinary Biological Product License and a State biological product license. Before a U.S. Veterinary Biological Product License (including a conditional license) is issued, the licensee shall relinquish its State license for that product: *Provided,* That autogenous biologics shall not be subject to this provision when they are prepared in accordance with the provisions of paragraph (c)(5) of this section.

(1) State-licensed biological products (including autogenous biologics) shall only be distributed or shipped intrastate, must not bear a U.S. Veterinary Biologics Establishment License Number, and must not otherwise be represented in any manner as having met the requirements for a U.S. Veterinary Biological Product license. Labeling of State- and USDA-licensed biological products produced in the same establishment must be distinctly different in color and design.

(2) All biological products in USDA-licensed establishments, whether licensed by USDA or by the State, shall be prepared only in locations indicated

in legends filed in accordance with 9 CFR part 108. A description of each State-licensed product must be filed with the Animal and Plant Health Inspection Service as part of the blueprint legends and must be sufficient for Animal and Plant Health Inspection Service to determine any risk to the production of other products in the licensed establishment and to determine that adequate procedures are followed to prevent contamination during production.

(3) Records in such establishments must be maintained in accordance with §§ 116.1 and 116.2 of this subchapter and shall include all products licensed by the State or USDA.

(4) Reports prescribed in § 116.5 of this subchapter for USDA-licensed establishments shall be submitted for all veterinary biological products in the establishment.

(5) Under the following conditions, an autogenous biologic may be produced in a USDA-licensed establishment under either a State or U.S. Veterinary Biological Product License:

(i) When a culture of microorganisms, isolated from a herd in a State, is received at a USDA-licensed establishment that is in the same State but that holds both a State and a U.S. Veterinary Biological Products License for autogenous biologics, the isolate shall be designated by the licensee for use in the production of an autogenous biological product under either the State product license, or the U.S. Veterinary Biological Product License: *Provided,* That the isolate meets the requirements of the respective regulatory authority for an autogenous biologic. If, after producing the product pursuant to one license, the licensee elects to produce an autogenous biologic from the same isolate under provisions of the other license, the licensee may do so only with the approval of the other licensing authority.

(ii) The true name of a State-licensed autogenous biologic shall specify the State of licensure: e.g.

'' _____ Autogenous Bacterin''
(State)
or _____ Autogenous Vaccine''.
(State)

[39 FR 16869, May 10, 1974, as amended at 60 FR 48021, Sept. 21, 1995]

§ 114.3 Separation of establishments.

(a) Each licensed establishment shall be separate and distinct from any other establishment in which a biological product is prepared.

(b) No biological products authorized to be prepared in a licensed establishment shall be prepared in whole or in part by another licensed establishment except as provided in paragraphs (c) and (d) of this section.

(c) When a partially prepared biological product cannot be completed at a licensed establishment due to failure of essential equipment, the Administrator may authorize the use of similar equipment at another licensed establishment: *Provided,* That, such authorization shall be limited to the duration of the emergency and to the phase of production affected by the equipment failure.

(d) Partially prepared products or serials of completed products for further manufacture may be moved from one licensed establishment to another licensed establishment, imported under the provisions of § 104.5, or moved from a licensed establishment for purpose of being exported under conditions prescribed in an Outline of Production filed with Animal and Plant Health Inspection Service. Licensed products or products imported for distribution and sale may be prepared and recommended for final use, for further manufacturing purposes, or both. All serials shall be subject to the requirements for testing and release specified in § 113.5 or § 113.10 and to the requirements for identification specified in § 114.4.

[39 FR 16869, May 10, 1974, as amended at 40 FR 46093, Oct. 6, 1975; 49 FR 45846, Nov. 21, 1984; 56 FR 66784, Dec. 26, 1991]

§ 114.4 Identification of biological products.

Suitable tags or labels of a distinct design shall be used for identifying all ingredients used in the preparation of biological products, all component parts to be combined to form a biological product, all biological products while in the course of preparation and all completed biological products held

in storage at licensed establishments: *Provided,* That, if such ingredients, components, or biological products are not so identified, they shall be disposed of as provided in § 114.15.

§ 114.5 Micro-organisms used as seed.

Micro-organisms used in the preparation of biological products at licensed establishments shall be free from the causative agents of other diseases or conditions. A complete record of such micro-organisms shall be kept currently correct and a list submitted to Animal and Plant Health Inspection Service upon request of the Administrator.

(Approved by the Office of Management and Budget under control number 0579–0059)

[39 FR 16869, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991]

§ 114.6 Mixing biological products.

Each biological product, when in liquid form, shall be mixed thoroughly in a single container. During bottling operations, the product shall be constantly mixed sufficient to maintain physical uniformity of the entire fill. A serial number, with any other markings that may be necessary for ready identification of the serial, shall be applied to identify it with the records of preparation and labeling.

§ 114.7 Personnel at licensed establishments.

(a) Each licensee shall designate a person(s) to make all official contacts with Animal and Plant Health Inspection Service on matters pertaining to the preparation of biological products under the Virus-Serum-Toxin Act. The licensee shall file three copies of biographical summary with Animal and Plant Health Inspection Service for such designated person and for each person responsible for any phase of preparation of a biological product.

(b) All personnel employed in the preparation of biological products at a licensed establishment shall be competent in good laboratory techniques through education or training, or both, so as to consistently prepare high quality products.

(c) All biological products prepared at licensed establishments shall be prepared and handled with due sanitary precautions. Good sanitary measures shall be practiced at all times by all personnel involved in such preparation and handling of biological products.

(1) The clothing worn by persons while preparing biological products shall be clean. All persons, immediately before entering laboratory rooms of a licensed establishment, shall change their outer clothing or effectively cover the same with gowns or other satisfactory clean garments.

(2) Unsanitary practices such as, but not limited to, eating, smoking, or expectorating on the floors or otherwise creating a nuisance in any room, compartment, or place in which biological products are prepared, handled, or stored at licensed establishments are prohibited.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 16869, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991]

§ 114.8 Outline of Production required.

An Outline of Production shall be on file with Animal and Plant Health Inspection Service for each licensed biological product or for each biological product authorized to be imported into the United States for Distribution and Sale. Preparation of a biological product in a licensed establishment shall be in accordance with the Outline of Production for such product filed with Animal and Plant Health Inspection Service as provided in this section, but subject to changes as may be required under § 114.8(f).

(a) The Outline of Production shall be prepared as prescribed in § 114.9 and submitted to Animal and Plant Health Inspection Service for filing. When objectionable features, if any, are corrected and no further exceptions are taken by Animal and Plant Health Inspection Service to an Outline of Production for a biological product, such Outline of Production shall be approved for filing.

(b) Each page shall be stamped as filed on the date such action was taken

in the bottom right hand corner. Although the filed outline may be referred to as an approved outline, approval for filing constitutes no endorsement by Animal and Plant Health Inspection Service of such biological product or the methods and procedures used to prepare such biological product.

(c) The original and two copies shall be retained by Animal and Plant Health Inspection Service and the remaining copies returned.

(d) Each licensee shall review each Outline of Production for accuracy and sufficiency not less frequently than once a year. Revisions necessary to bring an Outline of Production into compliance with the regulations shall be submitted to Animal and Plant Health Inspection Service.

(e) When a list of licensed products to be continued in production at a licensed establishment is requested by the Administrator in accordance with § 102.5(d) of this subchapter, the licensee shall supplement the list with information for each product as follows:

(1) The Outline of Production currently being used shall be identified as to the date when last revised and filed with Animal and Plant Health Inspection Service and the date of the last review made by the licensee.

(2) The Outline of Production to be kept in the active file shall be designated. If more than one has been filed for a product, only the Outline of Production currently being used shall be included.

(f) The Administrator may, upon the basis of information not available to him at the time the current Outline of Production for a biological product was filed, object to the methods or procedures being used in the preparation of such biological product and notify the licensee to modify the filed Outline of Production to eliminate such objections. If the licensee does not comply with the notice, the Administrator may, after affording opportunity for a hearing to the licensee, suspend the product license for the biological product involved; in which case, the licensee shall not prepare such product until subsequent notice of withdrawal of the suspension is given to the licensee.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 16869, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991]

§ 114.9 Outline of Production guidelines.

Each Outline of Production shall be prepared in accordance with the applicable directions provided in this section.

(a) *General requirements.* (1) The original and not more than four copies of each Outline of Production or special outline or revised pages of either shall be prepared on heavy paper (8.5″ x 11″) of a type receptive to permanent stamp ink.

(2) The name of the biological product (or component), the establishment license number, and the date prepared shall appear on a front cover page and each page of the Outline of Production or special outline. The name of the licensee (or foreign manufacturer) shall appear on the front cover page.

(3) The pages shall be numbered in the upper center. At least 1½ inch margin shall be left at the top of the first page and a 2 inch margin at the bottom of each page for the Animal and Plant Health Inspection Service stamp.

(4) Amended pages shall be numbered the same as those being superseded. They shall bear the date prepared and refer to the date on the pages being superseded. If one replacement page supersedes more than one page, the new page shall indicate same, but if several replacement pages are added to supersede one page, the page number followed by letters shall be used.

(5) The last page of the original and one copy of either a new or a completely rewritten Outline of Production and each page revised separately shall be signed in the lower left corner by the authorized representative of the licensee (or foreign producer). Stamped or facsimile signatures are not acceptable.

(6) A summary of changes shall appear on an attached page and refer to each page, paragraph, or subparagraph being changed.

(7) Transmittal forms shall be used for the original and subsequent revisions. Blank forms shall be available upon request to Animal and Plant Health Inspection Service.

(b) *Special outline.* An outline describing the preparation of a component of a biological product or an operation performed in the preparation of a biological product may be required if such special outline could be referred to in Outlines of Production to eliminate repetition. Each special outline shall be identified by number and shall not be used until accepted and filed by Animal and Plant Health Inspection Service.

(c) Outline of Production for antiserum, antitoxin, and normal serum shall be written according to the following:

OUTLINE GUIDE FOR PRODUCTION OF ANTISERUM AND ANTITOXIN AND NORMAL SERUM

License No. Name of Product Date

I. *Serum animals.* A. Species, conditions, age, and general health.

B. Examination, preparation, care, quarantine, tests, and treatment of animals before injections are started.

C. Holding, handling, exercising, and monitoring the condition of animals after injections are started.

II. *Antigens.* A. Composition and character of the antigen.

1. Micro-organisms.

2. Source and date of accession of each micro-organism.

3. Strains.

4. Proportions of each micro-organism and strain.

B. Identification methods used for each micro-organism and frequency with which these methods are applied.

C. Virulence and purity of cultures or antigen and the determination and maintenance thereof. Range of subcultures or passages to be used in production.

D. Attenuation, if any, before use for production purposes.

E. Character, size, and shape of containers used for growing micro-organisms.

F. Media used for stock, seed, and antigen cultures (composition and reaction of). May refer to a special outline by number.

G. Preparation of the antigen or toxin and toxoid. Complete and full description of each step and its manner of accomplishment and number these steps in sequence. Include all tests for each antigen, and the specifications for character, identity, virulence, concentration, and standardization.

III. *Immunization of animals.* A. Outline fully with special attention given to the following:

1. Character and dose of the antigen.

2. Method and frequency of injections.

3. Time required for immunization or hyperimmunization.

4. Preliminary bleedings and tests, if any, to ascertain quality of serum.

5. All other similar matters, including treatments between bleedings.

B. Period of time elapsing between last injection and first bleeding; and between bleedings.

C. Technique of bleeding operations; volume of blood collected at each bleeding; and period of rest.

IV. *Preparation of the biological product.* A. Describe fully and show each step of preparation from the first bleeding to the completion of the preserved product in bulk containers prior to filling of final containers.

B. Composition of the preservative and proportions used. Indicate at which step of production, and the method used in adding the preservative.

C. Agglutination and complement-fixation titers and the methods of their determinations.

D. Disposition of unsatisfactory biological products and infective materials not used in production.

E. Assembly of units to make a serial; volume of the average serial; and the volume of the maximum serial.

V. *Testing.* Indicate the stages in the preparation of the biological product at which samples are collected. Refer to all applicable Standard Requirements. Outline all additional tests in detail and state minimum requirements for each satisfactory test.

A. Purity.

B. Safety.

C. Potency.

D. Other tests.

VI. *Post preparatory steps.*

A. Form and size of final containers in which the product is to be distributed.

B. Methods and techniques of filling final containers. Volume of fill for each size final container.

C. Collection, storage, and submission of representative samples. Indicate at which steps in the production these samples are taken.

D. Expiration date based on the earliest date of harvest and the date of the last satisfactory potency test.

E. Use, dosage, and route of administration for each animal species for which it is recommended.

F. Include any additional pertinent information.

(d) Outline of Production for *vaccines, bacterins, antigens,* and *toxoids* shall be written according to the following:

OUTLINE GUIDE FOR VACCINES, BACTERINS, ANTIGENS, AND TOXOIDS

License No. Name of Product Date

I. *Composition, etc., of the product.* A. Micro-organisms used. Give the isolation and passage history.

B. Source and date of accession of each micro-organism.

C. Strains.

D. Proportions of each strain.

II. *Cultures.* A. Brief description of methods of identifying each micro-organism and the frequency with which these methods are applied.

B. Virulence and purity of cultures and the determination and maintenance thereof. Range of subcultures or passages to be used in production.

C. Composition and reaction of media used for seed and production cultures. Include the source of eggs, tissue, or cell cultures, and the tests to determine that eggs, tissues, and cells are free of contamination.

D. Character, size, and shape of containers used for growing cultures.

E. Storage conditions of seed cultures.

F. Methods of preparing suspensions for seeding or inoculation.

G. Technique of inoculating (1) seed media; (2) production media. Titer or concentration of inoculum, and the volume of medium for each size and type of culture container.

H. Period of time and conditions for incubation and degree of temperature used for each micro-organism or group of micro-organisms.

I. Character and amount of growth; observation as to contamination of growth.

J. Method of attenuation, if any, before used for production purposes.

III. *Harvest.* A. Handling and preparation of cultures and media (including eggs) before removal of micro-organisms or tissues for production purposes.

B. Minimum and maximum period of time elapsing from time of inoculation until harvest.

C. Technique of harvesting micro-organisms or tissues (specify) for production purposes.

D. Specifications for acceptable harvest material.

E. Handling of discarded material not used in production.

F. Include any additional pertinent information.

IV. *Preparation of the product.* Describe fully and show each step of preparation from harvest of antigen containing tissues or production cultures to the completion of the finished product in final containers. In describing the preparation of the product, emphasize the following:

A. Method of inactivation, attenuation, or detoxification.

B. Composition of preservative, adjuvant or stabilizer, and proportions used stated in such a manner that the concentration can be calculated; stage and method of addition.

C. Method and degree of concentration.

D. If product is standardized to give concentration of antigen, show procedures and calculations.

E. 1. Assembly of units to make a serial (illustrate by example).

2. Volume of average serial.

3. Volume of maximum serial.

4. Any other pertinent information.

F. Volume of fill for each size vial. Type of vial if unusual.

G. Method and technique of filling and sealing of final containers.

H. Desiccation, including moisture control. Give maximum percent moisture.

I. Amount of antigenic material per dose or doses in final container.

V. *Testing.* Indicate the stages in the preparation of the biological product at which the samples are collected. Refer to all applicable Standard Requirements. Outline all additional tests in detail and state the minimum requirement for each satisfactory test.

A. Purity.

B. Safety.

C. Potency.

D. Moisture, if desiccated.

E. Any other tests.

VI. *Post preparatory steps.* A. Form and size of final containers in which the product is to be distributed.

B. Collection, storage, and submission of representative samples. Indicate at which steps in the production these samples are taken.

C. Expiration date based on the earliest date of harvest and the date of the last satisfactory potency test. If applicable, give the date of lyophilization.

D. Use, dosage, and route of administration for each animal species for which the biological product is recommended.

(e) Outlines of Production for allergenic extracts shall be written according to the following:

OUTLINE GUIDE FOR ALLERGENIC EXTRACTS

License No. Name of Product Date

I. *Composition of the product.* A. Source and type of raw material.

B. Weight/volume concentration.

II. *Preparation of the product.* A. Describe fully and show each step of preparation to the completion of the finished product in true containers. In describing the preparation of the product, emphasize the following:

1. Method of extraction.

2. Composition of preservative, adjuvant or stabilizer, and proportions used; stage and method of addition.

3. Method and degree of concentration.

4. Standardization of the product.
5. (a) Assembly of units to make a serial.
(b) Volume of average serial.
(c) Maximum serial.
6. Volume of fill for each size vial.
7. Method and technique of filling and sealing of final containers.
8. Amount material per dose or doses in final container.

III. *Testing.* Indicate the stages in the preparation of the biological product at which the samples are collected. Refer to all applicable Standard Requirements. Outline all additional tests in detail and state the minimum requirement for each satisfactory test.
A. Purity.
B. Safety.
C. Potency.
D. Any other tests.
E. Include any additional pertinent information.

IV. *Post preparatory steps.* A. Form and size of final containers in which the product is to be distributed.
B. Collection, storage, and submission of representative samples. Indicate at which steps in the production these samples are taken.
C. Expiration date based on the earliest date of harvest and the date of the last satisfactory potency test.
D. Use, dosage, and route of administration for each animal species for which the biological product is recommended.

(f) Outlines of Production for diagnostic test kits based on antigen-antibody reactions, and other diagnostics whose production methods are amenable to description as described herein shall be written according to the following requirements:

OUTLINE GUIDE FOR DIAGNOSTIC TEST KITS

License No. Name of product Date

Introduction

Provide a brief description of the kit as follows:
1. Principle of the test (ELISA, latex agglutination, etc.).
2. Antigen or antibody detection test.
3. Sample(s) used for testing (serum, whole blood, tears, etc.).
4. List reagents, references, and equipment included.
5. Identify materials obtained under split manufacturing agreements.
6. General description of test interpretations and their limitations, including followup tests.

I. *Antibody Components*

A. Production of polyclonal antibody components.
1. If purchased, list suppliers, criteria for acceptability, and describe all tests performed after receipt to determine that specifications have been met.
2. If produced in-house, describe the species, age, weight, conditions, and general health of all animals used in antiserum production.
a. Preinjection considerations:
Describe the examination, preparation, care, quarantine procedures, and treatments administered before immunization(s). Describe all tests used to determine suitability for use. Describe the preparation of any standard negative serum(s) collected prior to immunization.
b. Immunization of animals.
i. Describe the character and dose of the antigen; if adjuvant is used provide details on its preparation. If commercial product is used include its true name as shown on the label, the manufacturer, serial number, and expiration date.
ii. Describe the method and schedule for immunizations.
iii. Describe the method for harvesting and evaluating the immunization product, including tests for acceptability.
iv. Provide number and intervals between harvests, volume obtained, and any other pertinent information.
B. Production of Monoclonal Antibody Components.
1. Hybridoma components:
a. If hybridoma components are purchased, list suppliers and criteria for acceptability; if tests are performed after receipt, describe fully.
b. If hybridomas are prepared inhouse, identify the antigen(s) used, describe the immunization scheme, and the species of animal used.
c. Identify the tissue of origin, and the procedures for harvesting, isolating, and identifying the immune cells.
d. Describe the source, identity, and the product secreted (light or heavy chain) by the parent Myeloma Cell Line.
e. Summarize cloning and recloning procedures, including clone characterization and propagation, if appropriate.
f. If appropriate, describe procedures for establishing and maintaining seed lots.
g. Describe any other pertinent tests or procedures performed on the hybridoma cell line.
2. Antibody production:
a. Describe the production method. If produced in cell culture, animal serum additives must conform to 9 CFR 113.53. If produced in animals, describe fully including husbandry practices and passage procedures.
b. Provide the criteria for acceptable monoclonal antibody, including tests for purity.
c. Describe all tests or other methods used to ensure uniformity between production

lots of monoclonal antibody. Include all reaction conditions, equipment used, and reactivity of the component.

d. Describe all characterization procedures and include the expected reactivity of all reference monoclonal antibodies.

II. *Antigen Preparation*

A. Identify the microorganism(s) or antigen being used. If previously approved Master Seed virus, bacteria, or antigen derived therefrom is used, provide pertinent information on the testing performed, and details of dates of United States Department of Agriculture confirmatory tests and approval, as appropriate.

B. Describe all propagation steps, including identification of cell cultures, media ingredients, cell culture conditions, and harvest methods. For antigen produced in eggs, give the egg source, age, and route of inoculation. If cell lines are being used, give dates of testing and approval as specified in 9 CFR 113.52.

C. Describe procedures used for extracting and characterizing the antigen.

D. Describe the method used to standardize the antigen.

E. If the antigen is purchased, identify the supplier and describe the criteria for acceptable material, including all tests performed by the producer and/or the recipient to determine acceptability.

III. *Preparation of Standard Reagents*

A. Describe the positive and negative controls included in the kit. If purchased, list suppliers and criteria for acceptance.

B. Describe the preparation and standardization of the conjugate(s). If purchased, list suppliers and criteria for acceptance.

C. Describe the preparation and standardization of the substrate(s). If purchased, list suppliers and criteria for acceptance.

D. Identify buffers, diluents, and other reagents included in the kit. The preparation of these components may be described in this section or in filed Special Outlines.

IV. *Preparation of the Product*

Fully describe methods used to standardize antigens, reference standards, positive control serum, negative control serum, and standard reagents from production/purchase to completion of finished product in final containers, including the following:

1. Composition and quantity of preservative in each.

2. Method of filling, plating, or attaching the antigen or antibody component to a solid phase.

3. Minimum and maximum acceptable fill volumes for each final container of reagent included in the kit.

4. The disposition of unsatisfactory material.

V. *Testing*

Refer to all applicable standard requirements.

A. Purity.

Describe all tests of the kit for purity or specify the exemption as provided in 9 CFR 113.4.

B. Safety.

In vitro products are exempt from safety tests.

C. Potency.

Provide details of tests used to determine the relative reactivity of the kit including minimum requirements for a satisfactory test. Reference standards and control serum used for this purpose should be identified by unique codes or lot numbers.

VI. *Postpreparatory Steps*

A. Describe the form and size of final containers of each reagent/component included in the kit.

B. Describe the collection, storage, and submission of representative samples. Refer to 9 CFR 113.3(b)(7).

C. Specify the expiration date. Refer to 9 CFR 114.13.

D. Provide details of recommendations for use, including all limitations, qualifications, and interpretation of results.

E. Submit confidentiality statement identifying specific parts of the outline containing information, the release of which would cause harm to the submitter.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 16869, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 20124, May 2, 1991; 56 FR 66784, Dec. 26, 1991]

§ 114.10 Antibiotics as preservatives.

Antibiotics are authorized for use as preservatives for biological products if used within the limitations as to kinds and amounts prescribed in this section.

(a) When an antibiotic or combination of antibiotics, with or without a fungistat is to be used in the preparation of a biological product, the kind(s) and amount(s) of each shall be specified in the outline for such product in such a way that the concentration in the final product may be calculated. Except as may be approved by the Administrator, only those individual antibiotics or combinations of antibiotics listed in paragraphs (b) and (c) of this section shall be used.

(b) Permitted individual antibiotics:

(1) The antibiotic level of a specified individual antibiotic in one ml. of a biological product, when prepared as recommended for use, shall not exceed the amounts listed in this paragraph: *Provided,* That in the case a desiccated biological product is to be used with an indefinite quantity of water or other menstruum, the determination shall be based on 30 ml. per 1,000 dose vial or equivalent.

(2) Except as prescribed in paragraph (c) of this section, only one antibiotic shall be used as a preservative in a biological product. The kind and maximum amount per ml. of such antibiotic shall be restricted to:

Amphotericin B	2.5 mcg.
Nystatin (Mycostatin)	30.0 units
Tetracyclines	30.0 mcg.
Penicillin	30.0 units
Streptomycin	30.0 mcg.
Polymyxin B	30.0 mcg.
Neomycin	30.0 mcg.
Gentamicin	30.0 mcg.

(c) Permitted combinations:

(1) Penicillin and streptomycin.

(2) Either amphotericin B or nystatin, but not both, may be used with one of the other antibiotics listed in paragraph (b) of this section, or with a combination of penicillin and streptomycin, or with a combination of polymyxin B and neomycin.

(3) The maximum amount of each antibiotic in a combination shall be the amount prescribed for such antibiotic in paragraph (b) of this section.

(d) Antibiotics used in virus seed stock purification are not restricted as to kind or amounts provided carryover into the final product is controlled and specified in outlines of production.

[39 FR 16869, May 10, 1974, as amended at 56 FR 66784, Dec. 26, 1991

§ 114.11 Storage and handling.

Biological products at licensed establishments shall be protected at all times against improper storage and handling. Completed product shall be kept under refrigeration at 35° to 45° F. (2° to 7° C.) unless the inherent nature of the product makes storage at a different temperature advisable, in which case, the proper storage temperature shall be specified in the filed Outline of Production. All biological products to be shipped or delivered shall be securely packed.

§ 114.12 Expiration date required.

Each serial or subserial of biological product prepared in a licensed establishment shall be given an expiration date determined in accordance with the requirements provided in § 114.13 or § 114.14. A licensed biological product shall be considered worthless under the Virus-Serum-Toxin Act subsequent to the expiration date appearing on the label.

[41 FR 44687, Oct. 12, 1976]

§ 114.13 Expiration date determination.

Unless otherwise provided for in a Standard Requirement of filed Outline of Production, the expiration date for each product shall be computed from the date of the initiation of the potency test. Prior to licensure, stability of each fraction shall be determined by methods acceptable to Animal and Plant Health Inspection Service. Expiration dates based on this stability data shall be confirmed as follows:

(a) *Products consisting of viable organisms.* Each serial shall be tested for potency at release and at the approximate expiration date until a statistically valid stability record has been established.

(b) *Nonviable biological products.* Each serial presented in support of licensure shall be tested for potency at release and at or after the dating requested.

(c) Subsequent changes in the dating period for a product may be granted, based on statistically valid data submitted to support a revision of the Outline of Production.

[50 FR 24903, June 14, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

§ 114.14 Extension of expiration date for a serial or subserial.

(a) Unless otherwise provided for in a filed Outline of Production for the product, the expiration date shall not be extended:

(1) If all fractions of the product are not evaluated for potency by tests designated in the filed Outline of Production for such product in accordance with § 113.4(b) of this subchapter.

(2) For any serial or portion of any serial which has left licensed premises: *Provided,* That product which has been

shipped from one licensed premises to another licensed premises shall be exempt from this requirement.

(3) For a serial or portion of a serial if the expiration date has been extended previously, unless otherwise authorized in accordance with § 114.1.

(b) An extension of the expiration date may be granted by Animal and Plant Health Inspection Service if a request from the licensee is substantiated by valid test data which demonstrate the potency of the product meets or exceeds the requirements for release. The new expiration date shall be calculated from the date the latest satisfactory potency test was initiated. The extension of the expiration date shall not exceed the maximum dating allowed in the filed Outline of Production.

(1) Serials are approved for redating under the condition that Animal and Plant Health Inspection Service may require the firm to retest the redated serial for potency during the extended dating period and if found unsatisfactory require it be removed from the market by the licensee.

(2) [Reserved]

[50 FR 24903, June 14, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

§ 114.15 Disposal of unsatisfactory products and byproducts.

All biological products found to be unsatisfactory for marketing, all biological products which have become worthless subsequent to the expiration date, all refuse, other materials deemed unsatisfactory for production purposes, all carcasses (part or whole) of production or test animals, and any undesirable byproducts of manufacture shall be disposed of as may be required by the Administrator.

[41 FR 44687, Oct. 12, 1976, as amended at 56 FR 66784, Dec. 26, 1991]

§ 114.16 Producing subsidiaries.

A serial or subserial of a biological product may be produced jointly by a licensee and one or more subsidiaries, or by two or more subsidiaries. The exact amount of each serial or subserial credited to each participating producer shall be determined at the time of labeling and packaging and shall be noted in the records for such serial or subserial.

[40 FR 46093, Oct. 6, 1975]

§ 114.17 Rebottling of biological products.

The Administrator may authorize the rebottling of a completed product in liquid form subject to the conditions prescribed in this section.

(a) All or part of a serial which has not left the licensed establishment may be aseptically returned to the mixing tank, thoroughly mixed, and rebottled in new final containers.

(b) The rebottled product shall be adequately identified by serial number or subserial number, as the case may be.

(c) Required purity tests for final container samples of the product shall be conducted on new samples selected from the rebottled product (serial or subserials). Rebottled product found to be unsatisfactory by such tests shall not be released.

(d) New test samples from each serial or subserial and copies of test reports of all tests conducted on the rebottled product shall be submitted to Animal and Plant Health Inspection Service.

(e) The licensee shall not release the rebottled product unless notified by Animal and Plant Health Inspection Service that such product is eligible for release. Production records shall show the results of all tests conducted and shall accurately reflect the actions taken.

[39 FR 16869, May 10, 1974, as amended at 56 FR 66784, Dec. 26, 1991

§ 114.18 Reprocessing of biological products.

The Administrator may authorize a licensee to reprocess a serial of completed product subject to the conditions prescribed in this section.

(a) Reprocessing shall not include any method or procedure which would be deleterious to the product.

(b) All appropriate tests for purity, safety, potency, and efficacy for the product shall be conducted on the reprocessed product. A serial found unsatisfactory by a required test shall not be released.

(c) The reprocessed serial shall be identified by a new serial number and

the records for the serial shall accurately reflect the action taken.

(d) Test samples of the reprocessed serial and test reports for all tests conducted shall be submitted to Animal and Plant Health Inspection Service. The licensee shall not release the serial until notified by Animal and Plant Health Inspection Service that the serial is eligible for release.

[50 FR 24904, June 15, 1985, as amended at 56 FR 66784, Dec. 26, 1991]

PART 115—INSPECTIONS

Sec.
115.1 Inspections of establishments.
115.2 Inspections of biological products.

AUTHORITY: 21 U.S.C. 151–159; 37 Stat. 832–833.

§ 115.1 Inspections of establishments.

(a) Any inspector shall be permitted to enter any establishment where any biological product is prepared, at any hour during the day or night, and shall be permitted to inspect, without previous notification, the entire premises of the establishment, including all buildings, compartments, and other places, all biological products, and organisms and vectors in the establishment, and all materials and equipment, such as chemicals, instruments, apparatus, and the like, and the methods used in the manufacture of, and all records maintained relative to, biological products produced at such establishment.

(b) Each inspector will have in his or her possession a numbered USDA badge or identification card. Either shall be sufficient identification to entitle him/her to admittance at all regular entrances and to all parts of such establishment and premises and to any place at any time for the purpose of making an inspection pursuant to paragraph (a) of this section.

[52 FR 30134, Aug. 13, 1987]

§ 115.2 Inspections of biological products.

Any biological product, the container of which bears a United States veterinary license number or a United States veterinary permit number or other mark required by these regulations may be inspected at any time or place. If, as a result of such inspection, it appears that any such product is worthless, contaminated, dangerous or harmful, the Secretary shall give notice thereof to the manufacturer or importer and to any jobbers, wholesalers, dealers or other persons known to have any of such product in their possession, and may proceed against such product pursuant to the provisions of part 118 of this subchapter. Unless and until the Secretary shall otherwise direct, no persons so notified shall thereafter sell, barter, or exchange any such product in any place under the jurisdiction of the United States or ship or deliver for shipment any such product in or from any State, Territory, or the District of Columbia. However, failure to receive such notice shall not excuse any person from compliance with the Virus-Serum-Toxin Act.

[52 FR 30134, Aug. 13, 1987]

PART 116—RECORDS AND REPORTS

Sec.
116.1 Applicability and general considerations.
116.2 Inventory and disposition records.
116.3 Label records.
116.4 Sterilization and pasteurization records.
116.5 Reports.
116.6 Animal records.
116.7 Test records.
116.8 Completion and retention of records.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

§ 116.1 Applicability and general considerations.

(a) Each licensee, permittee, and foreign manufacturer of biological products imported into the United States shall maintain, at the licensed or foreign establishment in which the products are prepared, detailed records of information necessary to give a complete accounting of all the activities within each establishment. Such records shall include, but shall not be limited to, the items enumerated in this part.

(1) Records shall be made concurrently with the performance of successive steps in the development and preparation of biological products, including new products under development.

Such records shall include the date and where critical, the time that each essential step was taken, the identity and quantity of ingredients added or removed at each step, and any gain or loss of product from the beginning to the end of product preparation.

(2) Records shall be legible and indelible; shall be as detailed as necessary for a clear understanding of each step by one experienced in the preparation of biological products; and shall be verified by initials or signature of the person immediately responsible for the action taken.

(3) Records (other than disposition records) required by this part shall be completed by the licensee or the foreign manufacturer, as the case may be, before any portion of a serial of any product shall be marketed in the United States or exported.

(b) If, at any time, there are indications that raise questions regarding the purity, safety, potency, or efficacy of a product, or if it appears that there may be a problem regarding the preparation, testing, or distribution of a product, the licensee, permittee, or foreign manufacturer must immediately notify the Animal and Plant Health Inspection Service concerning the circumstances and the action taken, if any. Notification may be made by mail to Director, Center for Veterinary Biologics, Inspection and Compliance, 510 South 17th Street, Suite 104, Ames, IA 50010–8197; by electronic mail to cvb@usda.gov; by fax to (515) 232–7120; or by telephone to (515) 232–5785.

(c) When authorized by the Administrator, the licensee, permittee, or foreign manufacturer may maintain and retain records required under this part at an alternative location. Such authorization shall be confirmed by the filing of an addendum to the plot plan legend. The addendum shall list the location of the records and the condition of their storage and shall permit the inspection of the records by APHIS inspectors, or foreign inspectors acting on behalf of APHIS.

(Approved by the Office of Management and Budget under control number 0579–0013)

(44 U.S.C. 3506)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 61 FR 52874, Oct. 9, 1996; 64 FR 43045, Aug. 9, 1999]

§ 116.2 Inventory and disposition records.

(a) Records shall show the quantity and location of each biological product being prepared, in storage, and in distribution channels.

(b) Detailed disposition records, in a form satisfactory to the Administrator, shall be maintained by each licensee, each distributor, and each permittee showing the sale, shipment, or other disposition made of the biological products handled by such person.

(Approved by the Office of Management and Budget under control number 0579–0013)

(44 U.S.C. 3506)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991; 61 FR 52874, Oct. 9, 1996]

§ 116.3 Label records.

(a) Each licensee and permittee shall maintain a list of all approved labels currently being used. Each label shall be identified as to:

(1) Name and product code number as it appears on the product license or permit for the product;

(2) Where applicable, the size of the package (doses, ml, cc, or units) on which the label shall be used;

(3) Label number and date assigned; and

(4) Name of licensee or subsidiary appearing on the label as the producer.

(b) All labels printed shall be accounted for and an inventory maintained.

Records shall include the disposition of such labels including those not used in labeling a product.

(Approved by the Office of Management and Budget under control number 0579–0013)

(44 U.S.C. 3506)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 61 FR 52874, Oct. 9, 1996]

§ 116.4 Sterilization and pasteurization records.

Records shall be made by means of automatic recording devices or an equivalent accurate and reliable system. Such records shall be identified with the ingredients, equipment, or biological product subjected to sterilization or pasteurization.

(Approved by the Office of Management and Budget under control number 0579–0013)

(44 U.S.C. 3506)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 61 FR 52874, Oct. 9, 1996]

§ 116.5 Reports.

(a) When required by the Administrator, reports containing accurate and complete information concerning biological products, including but not limited to, product development and preparation, and market suspensions and recalls, shall be prepared and submitted to the Animal and Plant Health Inspection Service by the licensee, permittee, or foreign manufacturer (whose products are being imported or offered for importation). Unless otherwise authorized by the Administrator, records necessary to make such reports shall be maintained in each establishment.

(b) If, at any time, there are indications that raise questions regarding the purity, safety, potency, or efficacy of a product, or if it appears that there may be a problem regarding the preparation, testing, or distribution of a product, the licensee, permittee, or foreign manufacturer must immediately notify the Animal and Plant Health Inspection Service concerning the circumstances and the action taken, if any. Notification may be made by mail to Director, Center for Veterinary Biologics, Inspection and Compliance, 510 South 17th Street, Suite 104, Ames, IA 50010–8197; by electronic mail to cvb@usda.gov; by fax to (515) 232–7120; or by telephone to (515) 232–5785.

(Approved by the Office of Management and Budget under control number 0579–0013)

[61 FR 52874, Oct. 9, 1996, as amended at 64 FR 43045, Aug. 9, 1999]

§ 116.6 Animal records.

Complete records shall be kept for all animals at a licensed establishment. Results of tests performed, antigens or treatment administered, maintenance and production records, disposition records, necropsy records, if any, and all other pertinent records shall be included.

(Approved by the Office of Management and Budget under control number 0579–0013)

(44 U.S.C. 3506)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 61 FR 52874, Oct. 9, 1996]

§ 116.7 Test records.

Detailed records of all tests conducted on each serial and each subserial shall be maintained by the licensee. Summaries of such tests shall be prepared from such records and submitted to the Animal and Plant Health Inspection Service using APHIS Form 2008 or an acceptable equivalent form prior to release of the serial or subserial. Blank forms for such summaries shall be available from Animal and Plant Health Inspection Service upon request.

(Approved by the Office of Management and Budget under control number 0579–0013)

[39 FR 16872, May 10, 1974, as amended at 48 FR 57473, Dec. 30, 1983; 56 FR 66784, Dec. 26, 1991; 61 FR 52874, Oct. 9, 1996]

§ 116.8 Completion and retention of records.

All records (other than disposition records) required by this part shall be completed by the licensee, permittee, or foreign manufacturer before any portion of a serial of any product may be marketed in the United States or exported. All records shall be retained at the licensed or foreign establishment or permittee's place of business for a period of two years after the expiration date of a product, or for such

longer period as may be required by the Administrator.

(Approved by the Office of Management and Budget under control number 0579–0013)

[61 FR 52874, Oct. 9, 1996]

PART 117—ANIMALS AT LICENSED ESTABLISHMENTS

Sec.

117.1 Applicability.
117.2 Animal facilities.
117.3 Admittance of animals.
117.4 Test animals.
117.5 Segregation of animals.
117.6 Removal of animals.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 38 FR 15499, June 13, 1973, unless otherwise noted.

§ 117.1 Applicability.

(a) All animals used in licensed establishments in the preparation or testing of biological products shall meet the regulations in this subchapter and special requirements as may be prescribed by the Administrator to prevent the preparation, sale, and distribution of worthless, contaminated, dangerous, or harmful biological products.

(b) Unless otherwise authorized or directed by the Administrator, animals used in the preparation or testing of biological products shall be admitted to and maintained at the licensed establishment and ultimately disposed of in accordance with the regulations in this part, and with the Act of August 24, 1966 (Pub. L. 89–544) as amended by the Animal Welfare Act of 1970 (Pub. L. 91–579) and the regulations in parts 1, 2, and 3 of this chapter. Personnel who supervise the care and welfare of such animals shall be qualified by education, training, and experience to carry out the regulations in this part.

[38 FR 15499, June 13, 1973, as amended at 56 FR 66784, Dec. 26, 1991]

§ 117.2 Animal facilities.

Animal facilities shall comply with the requirements provided in part 108 of this chapter.

§ 117.3 Admittance of animals.

(a) No animal which shows clinical signs or other evidence of disease shall be admitted to the premises of licensed establishments, except as provided in paragraphs (d) and (e) of this section. The health status of all animals offered for admission shall be determined by or under the direction of a veterinarian prior to admission. If the determination cannot be made prior to admission, the animals shall be kept separate from animals already on the premises and in a quarantine area to be provided by the licensee for this purpose until the animal's health status is determined.

(b) If special test requirements for admittance of the animals are specified in the Outline of Production for the product to be produced, the animals shall remain in the quarantine area until such tests have been performed and the results obtained. Animals which do not meet the requirements shall not be admitted to the production area or allowed to contact production animals.

(c) All animals admitted to the premises of a licensed establishment shall be permanently identified either collectively or individually by the licensee with tags, marks, or other means acceptable to the Administrator.

(d) When an animal which has a disease is to be used to prepare a biological product for control of such disease, the animal shall be admitted directly to the processing facilities in which the product is to be prepared but shall not be permitted contact with other animals on the premises.

(e) The Administrator may authorize the maintenance of diagnostic facilities at the licensed establishment: *Provided*, That safeguards proposed by the licensee are adequate to prevent diseased or dead animals brought into such facilities from being a threat to biological products prepared in such establishment or to other animals on the premises used in the preparation of biological products.

[38 FR 15499, June 13, 1973, as amended at 56 FR 66784, Dec. 26, 1991]

§ 117.4 Test animals.

(a) All test animals shall be examined for clinical signs of illness, injury, or abnormal behavior prior to the start of a test and throughout the observation period specified in the test protocol.

(b) All animals used for test purposes shall be identified either collectively or individually in a manner conducive to an accurate interpretation of the results of the test.

(c) No test animals shall be given a biological product during the preconditioning period which would affect its eligibility according to the test requirements. No treatment, with a biological product or otherwise, shall be administered to a test animal during a test period which could interfere with a true evaluation of the biological product being tested.

(d) During the course of a test, animals that are injured or show clinical signs of illness or unfavorable reactions that are not due to the test may be removed from the test and treated or humanely destroyed. If sufficient animals do not remain for the test to be evaluated, the test shall be declared inconclusive and may be repeated.

(e) Test animals that show clinical signs of illness that are due to the test may be treated or humanely destroyed if the illness has progressed to a point (defined in the filed Outline of Production) when death is certain to occur without therapeutic intervention. When interpreting the results of the test, the animals that were treated or humanely destroyed because of illness due to the test and the animals that have died from illness due to the test prior to being humanely destroyed shall be combined into a common statistic of mortality due to the test.

[38 FR 15499, June 13, 1973, as amended at 60 FR 43356, Aug. 21, 1995]

§ 117.5 Segregation of animals.

Animals which have been infected with or exposed to a dangerous, infectious, contagious, or communicable disease shall be kept effectively segregated at a licensed establishment until such time as they are humanely destroyed or successfully treated and removed as healthy animals.

§ 117.6 Removal of animals.

Production animals or ex-test animals which are no longer useful at the licensed establishment may be removed from the premises of the licensed establishment; provided, such removal is accomplished in a manner as shall preclude the dissemination of disease and in accordance with the following conditions:

(a) Meat-producing animals which received a biological product containing inactivated microorganisms and adjuvants within 21 days shall not be removed; or

(b) Animals which received virulent microorganisms within 30 days shall not be removed; or

(c) Only animals that are in a healthy condition as determined by a veterinarian shall be removed, except as provided in paragraph (d) of this section.

(d) Other animals that are injured or otherwise unhealthy, except when affected with a communicable disease, may be removed for immediate slaughter to an abattoir operated in accordance with the Federal Meat Inspection Act of March 4, 1907, 34 Stat. 1260, as amended by the Wholesome Meat Act of 1967, 81 Stat. 585 (21 U.S.C. sec. 601 et seq.): *Provided,* That such animals shall be properly marked for identification and the inspector in charge of slaughter operations is given due notice in advance.

(e) All animals on the premises shall be disposed of in accordance with the provisions of the regulations in this part and where specific provision is not made therefor shall be disposed of as required by the Administrator.

[38 FR 15499, June 13, 1973, as amended at 56 FR 66784, Dec. 26, 1991]

PART 118—DETENTION; SEIZURE AND CONDEMNATION

Sec.

118.1 Administrative detention.
118.2 Method of detention; Notifications.
118.3 Movement of detained biological products; Termination of detention.
118.4 Seizure and condemnation.

AUTHORITY: 21 U.S.C. 151–159; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 52 FR 30135, Aug. 13, 1987, unless otherwise noted.

§ 118.1 Administrative detention.

Whenever any biological product which is prepared, sold, bartered, exchanged, or shipped in violation of the Act or regulations is found by any authorized representative of the Administrator upon any premises, it may be detained by such representative for a period not to exceed 20 days, pending action under § 118.4, and shall not be moved by any person from the place at which it is located when so detained, until released by such representative.

[52 FR 30135, Aug. 13, 1987, as amended at 56 FR 66784, Dec. 26, 1991]

§ 118.2 Method of detention; Notifications.

An authorized representative of the Administrator shall detain any biological product subject to detention under this part by:

(a) Giving oral notification to the owner of the biological product if such owner can be ascertained, and, if not, to the agent representing the owner or to the immediate custodian of the biological product; and

(b) Promptly furnishing the person so notified with a preliminary notice of detention which shall include identity and quantity of the product detained, the location where detained, the reason for the detention, and the name of the authorized representative of the Administrator.

(c) Within 48 hours after the detention of any biological product, an authorized representative of the Administrator shall, if the detention is to continue, give written notification to the owner of the biological product detained by furnishing a written statement which shall include the identity and quantity of the product detained, the location where detained, specific description of the alleged noncompliance including reference to the provisions in the Act or the regulations which have resulted in the detention, and the identity of the authorized representative of the Administrator; or, if such owner cannot be ascertained and notified within such period of time, furnish such notice to the agent representing such owner, or the carrier or other person having custody of the biological product detained. The notification, with a copy of the preliminary notice of detention shall be served by either delivering the notification to the owner or to the agent or to such other person, or by certifying and mailing the notification, addressed to such owner, agent, or other person, at the last known residence or principal office or place of business.

[52 FR 30135, Aug. 13, 1987, as amended at 56 FR 66784, Dec. 26, 1991]

§ 118.3 Movement of detained biological products; Termination of detention.

Except as provided in paragraphs (a) and (b) of this section, no biological product detained in accordance with the provisions in this part shall be moved by any person from the place at which such product is located when it is detained.

(a) A detained biological product may be moved from the place at which it is located when so detained for the purpose of providing proper storage conditions if such movement has been approved by an authorized representative of the Administrator; *Provided*, That, the biological product so moved shall be detained by an authorized representative of the Administrator after such movement.

(b) A detained biological product may be moved from the place at which it is detained on written notification by an authorized representative of the Administrator that the detention is terminated; *Provided*, That, the conditions under which the detained biological product may be moved will be specified in the written notification of the termination. The notification of termination shall be served by either personally delivering the notification, or by certifying and mailing the notification addressed to such person at the last known residence or principal office or place of business of the owner, agent, or other person having custody of the biological product.

[52 FR 30135, Aug. 13, 1987, as amended at 56 FR 66784, Dec. 26, 1991]

§ 118.4 Seizure and condemnation.

Any biological product which is prepared, sold, bartered, exchanged, or

shipped in violation of the Act or regulations shall be liable to be proceeded against and seized and condemned, at any time, on a libel of information in any United States district court or other proper court within the jurisdiction of which the product is found. If the product is condemned, it shall, after entry of the decree, be disposed of by destruction or sale as the court may direct, and the proceeds, if sold, less the court costs and fees, and storage and other proper expenses, shall be paid into the Treasury of the United States, but the product shall not be sold contrary to the provisions of the Act or the laws of the jurisdiction in which it is sold; *Provided*, That, upon the execution and delivery of a good and sufficient bond conditioned that the product shall not be sold or otherwise disposed of contrary to the provisions of the Act or the laws or jurisdiction in which disposal is made, the court may direct that such product be delivered to the owner thereof subject to such supervision by authorized representatives of the Administrator as is necessary to ensure compliance with the applicable laws. When a decree of condemnation is entered against the product and it is released under bond, or destroyed, court costs and fees, and storage and other proper expenses shall be awarded against the person, if any, intervening as claimant of the product. The proceedings in such libel cases shall conform, as nearly as may be practicable, to the proceedings in admiralty, except that either party may demand trial by jury of any issue of fact joined in any case, and all such proceedings shall be at the suit of and in the name of the United States.

[52 FR 30135, Aug. 13, 1987, as amended at 56 FR 66784, Dec. 26, 1991]

PART 122—ORGANISMS AND VECTORS

Sec.

122.1 Definitions.
122.2 Permits required.
122.3 Application for permits.
122.4 Suspension or revocation of permits.

AUTHORITY: 21 U.S.C. 111, 151–158.

§ 122.1 Definitions.

The following words, when used in the regulations in this part 122, shall be construed, respectively, to mean:

(a) *Department.* The U.S. Department of Agriculture.

(b) *Secretary.* ''Secretary'' means the Secretary of Agriculture of the United States, or any officer or employee of the Department to whom authority has heretofore been delegated, or to whom authority may hereafter be delegated, to act in his stead.

(c) *Administrator.* The Administrator, Animal and Plant Health Inspection Service, United States Department of Agriculture, or any person authorized to act for the Administrator.

(d) *Organisms.* All cultures or collections of organisms or their derivatives, which may introduce or disseminate any contagious or infectious disease of animals (including poultry).

(e) *Vectors.* All animals (including poultry) such as mice, pigeons, guinea pigs, rats, ferrets, rabbits, chickens, dogs, and the like, which have been treated or inoculated with organisms, or which are diseased or infected with any contagious, infectious, or communicable disease of animals or poultry or which have been exposed to any such disease.

(f) *Permittee.* A person who resides in the United States or operates a business establishment within the United States, to whom a permit to import or transport organisms or vectors has been issued under the regulations.

(g) *Person.* Any individual, firm, partnership, corporation, company, society, association, or other organized group of any of the foregoing, or any agent, officer, or employee of any thereof.

[31 FR 81, Jan. 5, 1966, as amended at 57 FR 30899, July 13, 1992]

§ 122.2 Permits required.

No organisms or vectors shall be imported into the United States or transported from one State or Territory or the District of Columbia to another State or Territory or the District of Columbia without a permit issued by the Secretary and in compliance with the terms thereof: *Provided,* That no permit shall be required under this section for importation of organisms for

which an import permit has been issued pursuant to part 102 of this subchapter or for transportation of organisms produced at establishments licensed under part 102 of this subchapter. As a condition of issuance of permits under this section, the permittee shall agree in writing to observe the safeguards prescribed by the Administrator for public protection with respect to the particular importation or transportation.

(Approved by the Office of Management and Budget under control number 0579–0015)

[28 FR 7896, Aug. 2, 1963. Redesignated at 31 FR 81, Jan. 5, 1966 and amended at 48 FR 57473, Dec. 30, 1983; 57 FR 30899, July 13, 1992; 59 FR 67134, Dec. 29, 1994]

§ 122.3 Application for permits.

The Secretary may issue, at his discretion, a permit as specified in § 122.2 when proper safeguards are set up as provided in § 122.2 to protect the public. Application for such a permit shall be made in advance of shipment, and each permit shall specify the name and address of the consignee, the true name and character of each of the organisms or vectors involved, and the use to which each will be put.

(Approved by the Office of Management and Budget under control number 0579–0015)

[23 FR 10065, Dec. 23, 1958. Redesignated at 31 FR 81, Jan. 5, 1966 and amended at 48 FR 57473, Dec. 30, 1983; 59 FR 67134, Dec. 29, 1994]

§ 122.4 Suspension or revocation of permits.

(a) Any permit for the importation or transportation of organisms or vectors issued under this part may be formally suspended or revoked after opportunity for hearing has been accorded the permittee, as provided in part 123 of this subchapter, if the Secretary finds that the permittee has failed to observe the safeguards and instructions prescribed by the Administrator with respect to the particular importation or transportation or that such importation or transportation for any other reason may result in the introduction or dissemination from a foreign country into the United States, or from one State, Territory or the District of Columbia to another, of the contagion of any contagious, infectious or communicable disease of animals (including poultry).

(b) In cases of wilfulness or where the public health, interest or safety so requires, however, the Secretary may without hearing informally suspend such a permit upon the grounds set forth in paragraph (a) of this section, pending determination of formal proceedings under part 123 of this subchapter for suspension or revocation of the permit.

[23 FR 10065, Dec. 23, 1958. Redesignated at 31 FR 81, Jan. 5, 1966, and amended at 57 FR 30899, July 13, 1992]

PART 123—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER THE VIRUS-SERUM-TOXIN ACT

§ 123.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under the Virus-Serum-Toxin Act.

(Sec. 2, 32 Stat. 792, 37 Stat. 832–833 (21 U.S.C. 111, 151–158))

[42 FR 10960, Feb. 25, 1977]

PART 124—PATENT TERM RESTORATION

Subpart A—General Provisions

Sec.

124.1 Scope.
124.2 Definitions.

Subpart B—Eligibility Assistance

124.10 APHIS liaison with PTO.

Subpart C—Regulatory Review Period

124.20 Patent term extension calculation.
124.21 Regulatory review period determination.
124.22 Revision of regulatory review period determination.
124.23 Final action on regulatory review period determination.

Subpart D—Due Diligence Petitions

124.30 Filing, format, and content of petitions.
124.31 Applicant response to petition.
124.32 APHIS action on petition.
124.33 Standard of due diligence.

Subpart E—Due Diligence Hearing

124.40 Request for hearing.
124.41 Notice of hearing.
124.42 Hearing procedure.
124.43 Administrative decision.

AUTHORITY: 35 U.S.C. 156; 7 CFR 2.22, 2.80, and 371.2(m).

SOURCE: 58 FR 11369, Feb. 25, 1993, unless otherwise noted.

Subpart A—General Provisions

§ 124.1 Scope.

(a) This parts sets forth procedures and requirements for APHIS review of applications for the extension of the term of certain patents for veterinary biological products pursuant to 35 U.S.C. 156—Extension of patent term. Responsibilities of APHIS include:

(1) Assisting PTO in determining eligibility for patent term restoration;

(2) Determining the length of a product's regulatory review period;

(3) If petitioned, reviewing and ruling on due diligence challenges to APHIS's regulatory review period determinations; and

(4) Conducting hearings to review initial APHIS findings on due diligence challenges.

(b) The regulations in this part are designed to be used in conjunction with regulations issued by PTO concerning patent term extension which may be found at 37 CFR 1.710 through 1.791.

[58 FR 11369, Feb. 25, 1993, as amended at 64 FR 43045, Aug. 9, 1999]

§ 124.2 Definitions.

Animal and Plant Health Inspection Service (APHIS). The agency in the Department of Agriculture responsible for licensing veterinary biological products under the Virus-Serum-Toxin Act.

Applicant. Any person who submits an application or an amendment or supplement to an application under 35 U.S.C. 156 seeking extension of the term of a patent.

Due diligence petition. A petition submitted under § 124.30 of this part.

Informal hearing. A hearing which is not subject to the provisions of 5 U.S.C. 554, 556, and 557 and which is conducted as provided in 21 U.S.C. 321(y).

License applicant. Any person who, in accordance with part 102 of this chapter, submits an application to the Animal and Plant Health Inspection Service of the U.S. Department of Agriculture for a U.S. Veterinary Biological Product License.

Patent. A patent issued by the Patent and Trademark Office of the United States Department of Commerce.

Person. Any individual, firm, partnership, corporation, company, association, educational institution, State or local government agency, or other organized group of any of the foregoing, or any agent, officer, or employee of any thereof.

PTO. The Patent and Trademark Office of the United States Department of Commerce.

Subpart B—Eligibility Assistance

§ 124.10 APHIS liaison with PTO.

Upon receipt of a copy of an application for extension of the term of a veterinary biologic patent from PTO, APHIS will assist PTO in determining whether a patent related to a biological product is eligible for patent term extension by:

(a)(1) Verifying whether the product was subject to a regulatory review period before its commercial marketing or use;

(2) Determining whether the permission for commercial marketing or use of the product after the regulatory review period was the first permitted commercial marketing or use of the product under the provision of law under which such regulatory review period occurred, and, if so, whether it was the first permitted commercial marketing or use of the veterinary biological product for administration to a food-producing animal;

(3) Ascertaining whether the patent term restoration application was submitted within 60 days after the product was approved for marketing or use; and

(4) Providing such other information as may be necessary and relevant to

PTO's determination of whether a patent related to a product is eligible for patent term restoration.

(b) APHIS will notify PTO of its findings in writing, send a copy of this notification to the applicant, and make a copy available for public inspection in room 1141, South Building, 14th Street and Independence Avenue SW., Washington, DC, between 8 a.m. and 4:30 p.m., Monday through Friday, except holidays.

Subpart C—Regulatory Review Period

§ 124.20 Patent term extension calculation.

(a) As provided in 37 CFR 1.779 of PTO's regulations, in order to determine a product's regulatory review period, APHIS will review the information in each application to determine the lengths of the following phases of the review period, and will then find their sum:

(1) The number of days in the period beginning on the date authorization to prepare an experimental biological product under the Virus-Serum-Toxin Act became effective and ending on the date an application for a license was initially submitted under the Virus-Serum-Toxin Act; and

(2) The number of days in the period beginning on the date an application for a license was initially submitted for approval under the Virus-Serum-Toxin Act and ending on the date such license was issued.

(b) A license application is ''initially submitted'' on the date it contains sufficient information to allow APHIS to commence review of the application. A product license is issued on the date of the APHIS letter informing the applicant of the issuance. The issuance of a license releases the product for commercial marketing or use.

§ 124.21 Regulatory review period determination.

(a) Not later than 30 days after the receipt of an application from PTO, APHIS shall determine the regulatory review period. Once the regulatory review period for a product has been determined, APHIS will notify PTO in writing of the determination, send a copy of the determination to the applicant, and make a copy available for public inspection in room 1141, South Building, 14th Street and Independence Avenue SW., Washington, DC, between 8 a.m. and 4:30 p.m., Monday through Friday, except holidays.

(b) APHIS will also publish a notice of the regulatory review period determination in the FEDERAL REGISTER. The notice will include the following:

(1) The name of the applicant;

(2) The trade name and true name of the product;

(3) The number of the patent for which an extension of the term is sought;

(4) The approved indications or uses for the product;

(5) The regulatory review period determination, including a statement of the length of each phase of the review period and the dates used in calculating each phase.

§ 124.22 Revision of regulatory review period determination.

(a) Any interested person may request a revision of the regulatory review period determination within the 30 day period beginning on its publication in the FEDERAL REGISTER. The request must be sent to the Director, Center for Veterinary Biologics, Licensing and Policy Development, 510 South 17th Street, Suite 104, Ames, IA 50010—8197. The request must specify the following:

(1) The identity of the product;

(2) The identity of the applicant for patent term restoration;

(3) The docket number of the FEDERAL REGISTER notice announcing the regulatory review period determination; and

(4) The basis for the request for revision, including any documentary evidence.

(b) If APHIS decides to revise its prior determination, APHIS will notify PTO of the decision, and will send a copy of notification to the applicant and the person requesting the revision (if different from the applicant) with a request for comments within 10 days of notification. If no comment on the proposed revision is received, APHIS will publish the revision in the FEDERAL

REGISTER, and include a statement giving the reasons for the revision. If comment is received, APHIS will make a final determination regarding the revision based on such comment and will then publish the revision in the FEDERAL REGISTER, giving reasons for its determination.

[59 FR 11369, Feb. 25, 1993, as amended at 59 FR 67617, Dec. 30, 1994; 64 FR 43045, Aug. 9, 1999]

§ 124.23 Final action on regulatory review period determination.

APHIS will consider its regulatory review period determination to be final upon expiration of the 180-day period for filing a due diligence petition under § 124.30 unless it receives:

(a) New information from PTO records, or APHIS records, that affects the regulatory review period determination;

(b) A request under § 124.22 for revision of the regulatory review period determination;

(c) A due diligence petition filed under § 124.30; or

(d) A request for a hearing filed under § 124.40.

[58 FR 11369, Feb. 25, 1993; 58 FR 29028, May 18, 1993]

Subpart D—Due Diligence Petitions

§ 124.30 Filing, format, and content of petitions.

(a) Any interested person may file a petition with APHIS, no later than 180 days after the publication of a regulatory review period determination under § 124.21, alleging that a license applicant did not act with due diligence in seeking APHIS approval of the product during the regulatory review period.

(b) The petition must be filed with APHIS under the docket number of the FEDERAL REGISTER notice of the agency's regulatory review period determination. The petition must contain any additional information required by this subpart.

(c) The petition must allege that the applicant failed to act with due diligence sometime during the regulatory review period and must set forth sufficient facts to merit an investigation by APHIS of whether the applicant acted with due diligence.

(d) The petition must contain a certification that the petitioner has served a true and complete copy of the petition on interested parties by certified or registered mail (return receipt requested) or by personal delivery.

§ 124.31 Applicant response to petition.

(a) The applicant may file with APHIS a written response to the petition no later than 20 days after the applicant's receipt of a copy of the petition.

(b) The applicant's response may present additional facts and circumstances to address the assertions in the petition, but shall be limited to the issue of whether the applicant acted with due diligence during the regulatory review period. The applicant's response may include documents that were not in the original patent term extension application.

(c) If the applicant does not respond to the petition, APHIS will decide the matter on the basis of the information submitted in the patent term restoration application, the due diligence petition, and APHIS records.

§ 124.32 APHIS action on petition.

(a) Within 90 days after APHIS receives a petition filed under § 124.30, the Under Secretary for Marketing and Regulatory Programs shall make a determination under paragraphs (b) or (c) of this section or under § 124.33 whether the applicant acted with due diligence during the regulatory review period. APHIS will publish its determination in the FEDERAL REGISTER together with factual and legal basis for the determination, notify PTO of the determination in writing, and send copies of the determination to PTO, the applicant, and the petitioner.

(b) APHIS may deny a due diligence petition without considering the merits of the petition if:

(1) The petition is not filed in accordance with § 124.30;

(2) The petition does not contain information or allegations upon which APHIS may reasonably determine that

the applicant did not act with due diligence during the applicable regulatory review period; or

(3) The petition fails to allege a sufficient total amount of time during which the applicant did not exercise due diligence so that, even if the petition were granted, the petition would not affect the maximum patent term extension which the applicant is entitled to under 35 U.S.C. 156.

[59 FR 11369, Feb. 25, 1993, as amended at 64 FR 43045, Aug. 9, 1999]

§ 124.33 Standard of due diligence.

(a) In determining the due diligence of an applicant, APHIS will examine the facts and circumstances of the applicant's actions during the regulatory review period to determine whether the applicant exhibited the degree of attention, continuous directed effort, and timeliness as may reasonably be expected from, and are ordinarily exercised by, a person during a regulatory review period. APHIS will take into consideration all relevant factors, such as the amount of time between the approval of an experimental use permit and licensure of the veterinary biological product.

(b) For purposes of this Part, the actions of the marketing applicant shall be imputed to the applicant for patent term restoration. The actions of an agent, attorney, contractor, employee, licensee, or predecessor in interest of the marketing applicant shall be imputed to the applicant for patent term restoration.

Subpart E—Due Diligence Hearing

§ 124.40 Request for hearing.

(a) Any interested person may request, within 60 days beginning on the date of publication of a due diligence determination by APHIS in accordance with § 124.32, that APHIS conduct an informal hearing on the due diligence determination.

(b) The request for a hearing must:

(1) Be in writing;

(2) Contain the docket number of the FEDERAL REGISTER notice of APHIS's regulatory review period determination;

(3) Be delivered to the Director, Center for Veterinary Biologics, Licensing and Policy Development, 510 South 17th Street, Suite 104, Ames, IA 50010—8197.

(4) Contain a full statement of facts upon which the request for hearing is based;

(5) Contain the name, the address, and the principal place of business of the person requesting the hearing; and

(6) Contain a certification that the person requesting the hearing has served a true and complete copy of the request upon the petitioner of the due diligence determination and the applicant for patent term extension by certified or registered mail (return receipt requested) or by personal service.

(c) The request must state whether the requesting party seeks a hearing not later than 30 days after the date APHIS receives the request, or, at the request of the person making the request, not later than 60 days after such date.

[58 FR 11369, Feb. 25, 1993, as amended at 59 FR 67617, Dec. 30, 1994; 64 FR 43045, Aug. 9, 1999]

§ 124.41 Notice of hearing.

No later than ten days before the hearing, APHIS will notify the requesting party, the applicant, the petitioner, and any other interested person of the date, time, and location of the hearing.

§ 124.42 Hearing procedure.

(a) The presiding officer shall be appointed by the Administrator of APHIS from officers and employees of the Department who have not participated in any action of the Secretary which is the subject of the hearing and who are not directly responsible to an officer or employee of the Department who has participated in any such action.

(b) Each party to the hearing shall have the right at all times to be advised and accompanied by an attorney.

(c) Before the hearing, each party to the hearing shall be given reasonable notice of the matters to be considered

at the hearing, including a comprehensive statement of the basis for the action taken or proposed by the Secretary which is the subject of the hearing and any general summary of the information which will be presented at the hearing in support of such action.

(d) At the hearing the parties to the hearing shall have the right to hear a full and complete statement of the action which is the subject of the hearing together with the information and reasons supporting such action, to conduct reasonable questioning, and to present any oral and written information relevant to such action.

(e) The presiding officer in such hearing shall prepare a written report of the hearing to which shall be attached all written material presented at the hearing. The participants in the hearing shall be given the opportunity to review and correct or supplement the presiding officer's report of the hearing.

(f) The Secretary may require the hearing to be transcribed. A party to the hearing shall have the right to have the hearing transcribed at his expense. Any transcription of a hearing shall be included in the presiding officer's report of the hearing.

(g) The due diligence hearing will be conducted in accordance with rules of practice adopted for the proceeding. APHIS will provide the requesting party, the applicant, and the petitioner with an opportunity to participate as a party in the hearing. The standard of due diligence set forth in §124.33 will apply at the hearing. The party requesting the due diligence hearing will have the burden of proof at the hearing.

§124.43 Administrative decision.

Within 30 days after completion of the due diligence hearing, the Under Secretary for Marketing and Regulatory Programs, taking into consideration the recommendation of the Administrator, will affirm or revise the determination made under §124.32. APHIS will publish the due diligence redetermination in the FEDERAL REGISTER, notify PTO of the redetermination, and send copies of the notice to PTO and the requesting party, the applicant, and the petitioner.

[59 FR 11369, Feb. 25, 1993, as amended at 64 FR 43045, Aug. 9, 1999]

SUBCHAPTER F—USER FEES

PART 130—USER FEES

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AUTHORITY: 5 U.S.C. 5542; 7 U.S.C. 1622; 19 U.S.C. 1306; 21 U.S.C. 102–105, 111, 114, 114a, 134a, 134c, 134d, 134f, 136, and 136a; 31 U.S.C. 3701, 3716, 3717, 3719, and 3720A; 7CFR 2.22, 2.80, and 371.2(d).

SOURCE: 57 FR 771, Jan. 9, 1992, unless otherwise noted.

§ 130.1 Definitions.

As used in this part, the following terms shall have the meaning set forth in this section.

Administrator. The Administrator of the Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal. All animals except birds, but including poultry.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Animal Import Center. Quarantine facilities operated by APHIS in Newburgh, New York; Miami, Florida; and Honolulu, Hawaii.[1]

APHIS representative. An individual, including, but not limited to, an animal health technician or veterinarian, authorized by the Administrator to perform the services for which the user fees in this part are charged.

Approved establishment. An establishment approved by the Animal and Plant Health Inspection Service for the receipt and handling of restricted import animal products or byproducts under 9 CFR chapter I, subchapter D.

Biosecurity level three laboratory. A laboratory or production facility that works with foreign or domestic animal disease agents, organisms, or vectors that spread by aerosol route and that have serious or lethal effects, therefore requiring special biocontainment measures.

Bird. Any member of the class aves, other than poultry.

Breeding animal. Any animal imported into the United States for breeding purposes.

[1] The addresses of Animal Import Centers may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road, Unit 38, Riverdale, Maryland 20737–1231.

Diagnostic reagent. Substances used in diagnostic tests to detect disease agents or antibodies by causing an identifiable reaction.

Domestic animal. Any animal imported into the United States for any purpose other than exhibition in a zoo, park or other place maintained for the exhibition of live animals for recreational or educational purposes.

Equine. Any horse, ass, mule, or zebra.

Export health certificate. An official document that, as required by the importing country, is endorsed by an APHIS representative and states that animals, animal products, organisms, vectors, or birds to be exported from the United States were found to be healthy and free from evidence of communicable diseases and pests.

Feeder animal. Any animal imported into the United States under 9 CFR part 93 for feeding.

Game cock. Any chicken bred, trained, or imported for cock fighting.

Germ plasm. Semen, embryos, or ova.

Grade animal. Any unregistered animal.

In-bond animal. Any animal imported into the United States under a United States Customs Service bond, as described in 19 CFR part 113.

Load. Those animals, birds, or animal germ plasm, presented for importation into the United States in a single shipment, that originate from one address, are destined for one address, and require one entry permit or authorization.

Miniature horse. Any horse which at maturity measures 34 inches high or less from the ground to the base of the last hair of the mane at the withers.

National Veterinary Services Laboratories (NVSL). The National Veterinary Services Laboratories of the Animal and Plant Health Inspection Service, located in Ames, Iowa.

National Veterinary Services Laboratories, Foreign Animal Disease Diagnostic Laboratory (FADDL). The National Veterinary Services Laboratories, Foreign Animal Disease Diagnostic Laboratory, located in Greenport, New York.

Nonstandard care and handling. Nonstandard care and handling includes hand-feeding, more than one feeding per day, frequent observation, and any handling or observation that requires personnel to attend to the birds or poultry outside of normal business hours.[2]

Nonstandard housing. Nonstandard housing is individual housing not normally available at an APHIS animal import center, any housing constructed or purchased at the request of the importer, any housing with blinds, dense foliage, or plants, and any housing where the temperature can be adjusted.

Person. An individual, corporation, partnership, trust, association, or any other public or private entity, or any officer, employee, or agent thereof.

Pet birds. Birds, except hatching eggs and ratites, that are imported or exported for the personal pleasure of their individual owners and are not intended for resale.

Poultry. Chickens, doves, ducks, geese, grouse, guinea fowl, partridges, pea fowl, pheasants, pigeons, quail, swans, and turkeys.

Privately operated permanent import-quarantine facility. Any permanent facility approved under 9 CFR part 93 to quarantine animals or birds, except facilities operated by APHIS.

Registered animal. Any animal recorded in the book of record of an animal registry association which issues certificates concerning the pedigree of animals.

Slaughter animal. Any animal moving directly to slaughter.

Standard feed. Seed, or dry feeds such as dog food or monkey biscuits, whether soaked in water or not.

State animal health official. The State official responsible for livestock and poultry disease control and eradication programs.

Test. A single analysis performed on a single specimen from an animal, animal product, commercial product, or animal feed.

United States. The several States of the United States, the District of Columbia, Guam, the Commonwealth of the Northern Mariana Islands, the Commonwealth of Puerto Rico, the Virgin Islands of the United States,

[2] Normal business hours at the APHIS Animal Import Centers are: 7:30 a.m. to 11:30 a.m., Honolulu, HI; 7 a.m. to 3:30 p.m., Miami, FL; and 8 a.m. to 4:30 p.m., Newburgh, NY.

and all other territories and possessions of the United States.

Zoo animal. Any animal, including poultry, intended for exhibition in a zoo, park or other place maintained for the exhibition of live animals for recreational or educational purposes.[3]

Zoo bird. Any bird intended for exhibition in a zoo, park or other place maintained for the exhibition of live animals or birds for recreational or educational purposes.

Zoo equine. Any equine intended for exhibition in a zoo, park or other place maintained for the exhibition of live animals for recreational or educational purposes.

[57 FR 771, Jan. 9, 1992, as amended at 58 FR 38957, July 21, 1993; 58 FR 67654, Dec. 22, 1993; 59 FR 67617, Dec. 30, 1994; 61 FR 20432, May 7, 1996; 62 FR 56026, Oct. 28, 1997; 63 FR 53788, Oct. 7, 1998; 63 FR 64175, Nov. 19, 1998; 64 FR 67698, Dec. 3, 1999]

EFFECTIVE DATE NOTE: At 64 FR 67698, Dec. 3, 1999, § 130.1 was amended by adding the definition for ''biosecurity level three laboratory'', effective Jan. 3, 2000.

§ 130.2 User fees for individual animals and certain birds quarantined in APHIS-owned or -operated animal quarantine facilities, including APHIS Animal Import Centers.

(a) *Standard requirements.* User fees for each animal or bird receiving standard housing, care, feed, and handling while quarantined in an APHIS owned or operated animal import center or quarantine facility are listed in the following table. Each user fee listed in the table is assessed per animal or bird quarantined by APHIS. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Animal or bird	Daily user fee
Birds (excluding ratites and pet birds imported in accordance with part 93 of this subchapter):	
0–250 grams	$1.00
251–1,000 grams	3.25
Over 1,000 grams	7.50
Domestic or zoo animals (except equines, birds, and poultry):	
Bison, bulls, camels, cattle, or zoo animals	56.50
All other—including but not limited to alpacas, llamas, goats, sheep, and swine	15.00
Equines (including zoo equines, but excluding miniature horses):	
1st through 3rd day	149.50
4th through 7th day	108.25
8th and subsequent days	91.75
Miniature horses	40.25
Poultry:	
Doves, pigeons, quail	2.00
Chickens, ducks, grouse, guinea fowl, partridges, pea fowl, pheasants	3.50
Large poultry and large waterfowl including but not limited to game cocks, geese, swans, and turkeys	8.25
Ratites:	
Chicks (less than 3 months old)	5.75
Juveniles (between 3 and 10 months old)	8.00
Adults (11 months old and older)	16.25

(b) *Special requirements.* User fees for birds or poultry, including zoo birds or poultry, receiving nonstandard housing, care, or handling to meet special requirements while quarantined in an APHIS owned or operated Animal Import Center or quarantine facility are listed in the following table. The user fees listed in the table are assessed for each bird or poultry quarantined by APHIS. Special requirements may be requested by the importer or required by an APHIS representative. Certain conditions or traits, such as pregnancy or aggression, may necessitate special requirements for certain birds or poultry. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

[3] Regulations concerning approval of zoos and requirements for importing wild animals are found in part 93 of this chapter.

Bird or poultry (nonstandard housing, care, or handling)	Daily user fee
Birds 0–250 grams and doves, pigeons, and quail	$3.25
Birds 251–1,000 grams and poultry such as chickens, ducks, grouse, guinea fowl, partridges, pea fowl, and pheasants	7.50
Birds over 1,000 grams and large poultry and large waterfowl including but not limited to game cocks, geese, swans, and turkeys	14.00

(c) *Feed.* The importer must either provide feed or pay for it on an actual cost basis, including the cost of delivery to the APHIS owned or operated Animal Import Center or quarantine facility, for any animal or bird that requires a diet other than standard feed, including but not limited to diets of fruit, insects, nectar, or fish.

(Approved by the Office of Management and Budget under control number 0579–0094)

[63 FR 53788, Oct. 7, 1998]

§ 130.3 User fees for exclusive use of space at APHIS Animal Import Centers.

(a)(1) An importer may request to exclusively occupy a space at an APHIS animal import center. The user fees for spaces at APHIS animal import centers are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

APHIS animal import center	Space	Monthly (30 day) user fee
Miami, FL:		
South Wing	6,952 sq. ft. (645.9 sq. m.)	$30,285.00
North Wing	6,545 sq. ft. (608.1 sq. m.)	$29,377.00
Newburgh, NY:		
Space A	5,396 sq. ft. (503.1 sq. m.)	43,102.00
Space B	8,903 sq. ft. (827.1 sq. m.)	71,118.50
Space C	905 sq. ft. (84.1 sq. m.)	7,229.00

(2) Any importer who occupies space for more than 30 days must pay 1/30th of the 30-day fee for each additional day or part of a day. The person for whom the service is provided and the person requesting the service are jointly and severally liable for any additional charges.

(3) Unless the importer cancels the reservation for exclusive use of space in time to receive a refund of the reservation fee in accordance with 9 CFR 93.103, 93.204, 93.304, 93.404, or 93.504, as appropriate, the 30-day user fee will be effective as of the first day for which the importer has reserved the space, regardless of whether the user occupies the space on that date or not.

(b) Users must provide APHIS personnel at the Animal Import Center, at the time they make a reservation for quarantine space, with the following information:

(1) Species of animals and birds to be quarantined;

(2) Ages of animals and birds to be quarantined; and

(3) Sizes of animals and birds to be quarantined.

(c)(1) APHIS personnel at the Animal Importer Center will determine, based on the information provided by the importer under paragraph (b) of this section, and on routine husbandry needs, the maximum number of animals and birds permitted in the requested building.

(2) If the number of animals and birds requested by the importer can be housed in the space requested, as determined by APHIS personnel at the Animal Import Center, but two animal health technicians cannot fulfill the routine husbandry needs of the number of animals or birds proposed by the importer, then the importer must pay for additional services on an hourly basis, or reduce the number of animals or birds to be quarantined to a number which APHIS personnel at the Animal

Import Center determine can be handled by two animal health technicians.

(3) If the importer chooses to pay for additional services on an hourly basis, the user fees for each employee required to perform the service are:

(i) $56.00 per hour;

(ii) $14.00 per quarter-hour;

(iii) With a minimum of $16.50.

(d) The importer must provide feed, or pay for it on an actual cost basis, including cost of delivery to the Animal Import Center.

(Approved by the Office of Management and Budget under control numbers 0579–0040 and 0579–0094)

[57 FR 771, Jan. 9, 1992, as amended at 58 FR 67654, Dec. 22, 1993; 61 FR 20432, May 7, 1996; 62 FR 56026, Oct. 28, 1997; 63 FR 53789, Oct. 7, 1998]

§ 130.4 [Reserved]

§ 130.5 User fees for services at privately operated permanent and temporary import quarantine facilities.

(a) User fees for each animal quarantined in a privately operated permanent or temporary import quarantine facility will be calculated at $56.00 per hour, or $14.00 per quarter-hour, with a minimum fee of $16.50, for each employee required to perform the service. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0094)

[63 FR 53789, Oct. 7, 1998]

§ 130.6 User fees for import or entry services for live animals at land border ports along the United States-Mexico border.

(a) User fees, with a minimum fee of $16.50, for live animals presented for importation into or entry into the United States through a land border port along the United States-Mexico border are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with the provisions in §§ 130.50 and 130.51.

Type of live animal	User fee (per head)
Feeder	$1.75
Slaughter	2.50
Horses, other than slaughter	29.25
In-bond or in transit	3.75
Any ruminants (including breeder ruminants) not covered above	6.00

(b) [Reserved]

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53789, Oct. 7, 1998, as amended at 64 FR 67700, Dec. 3, 1999]

§ 130.7 User fees for import or entry services for live animals at land border ports along the United States-Canada border.

(a) User fees, with a minimum fee of $16.50, for live animals presented for importation into or entry into the United States through a land border port along the United States-Canada border, are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Type of live animal	User fee
Animals being imported into the United States:	
Horses, other than slaughter and in transit	$19.00 per head.
Breeding animals (grade animals, except horses):	
Swine	0.50 per head.

Type of live animal	User fee
Sheep and goats	0.50 per head.
All others	2.25 per head.
Registered animals, all types	4.00 per head.
Feeder animals:	
Cattle (not including calves)	1.00 per head.
Swine	0.25 per head.
Sheep and calves	0.25 per head.
Slaughter animals, all types	16.50 per load.
Poultry (including eggs), imported for any purpose	33.00 per load.
Animals transiting[1] the United States.	
Cattle	1.00 per head
Swine	0.25 per head
Sheep and goats	0.25 per head
Horses and all other animals	4.50 per head

[1] The user fee in this section will be charged for intransit authorizations at the port where the authorization services are performed. For additional services provided by APHIS, at any port, the applicable hourly user fee will apply.

(b) [Reserved]

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53790, Oct. 7, 1998, as amended at 64 FR 51422, Sept. 23, 1999; 64 FR 61689, Nov. 12, 1999]

§ 130.8 User fees for other services.

(a) User fees for other services that are not specifically addressed elsewhere in part 130 are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with the provisions in §§ 130.50 and 130.51.

Service	User fee
Germ plasm being exported:[1]	
Embryo:	
(up to 5 donor pairs)	$54.75 per certificate.
(each additional group of donor pairs, up to 5 pairs per group, on the same certificate).	24.75 per group of donor pairs.
Semen	33.50 per certificate.
Germ plasm being imported:[2]	
Embryo	39.50 per load.
Semen	39.50 per load.
Import compliance assistance:	
Simple (2 hours or less)	51.25 per release.
Complicated (more than 2 hours)	131.75 per release.
Inspection for approval of biosecurity level three laboratories	$977.00 for all costs of inspection related to approving the laboratory for handling one defined set of organisms or vectors.
Inspection for approval of slaughter establishment:	
Initial approval	246.50 for all inspections required during the year.
Renewal	213.50 for all inspections required during the year
Inspection of approved establishments, warehouses, and facilities under 9 CFR parts 94 through 96:	
Approval (Compliance Agreement)	262.75 for first year of 3-year approval (for all inspections required during the year).
Renewed approval	152.00 per year for second and third years of 3-year approval (for all inspections required during the year).
Processing VS form 16–3, ''Application for Permit to Import Controlled Material/Import or Transport Organisms or Vectors'':	
For permit to import fetal bovine serum when facility inspection is required	208.50 per application.
For all other permits	27.50 per application.
Amended application	11.50 per amended application.
Application renewal	15.00 per application.
Release from export agricultural hold:	

Service	User fee
Simple (2 hours or less)	51.25 per release.
Complicated (more than 2 hours)	131.75 per release.
Embryo collection center inspection and approval	$278.50 for all inspections required during the year for facility approval.

[1] This user fee includes a single inspection and resealing of the container at the APHIS employee's regular tour of duty station or at a limited port. For each subsequent inspection and resealing required, the applicable hourly user fee would apply.
[2] For inspection of empty containers being imported into the United States, the applicable hourly user fee would apply, unless a user fee has been assessed under 7 CFR 354.3.

(b) [Reserved]

(Approved by the Office of Management and Budget under control numbers 0579–0015, 0579–0040, 0579–0055, and 0579–0094)

[63 FR 53790, Oct. 7, 1998, as amended at 63 FR 71729, Dec. 30, 1998;64 FR 67698, Dec. 3, 1999; 64 FR 67700, Dec. 3, 1999]

EFFECTIVE DATE NOTE: At 64 FR 67698, Dec. 3, 1999, §130.8, the table in paragraph (a) was amended by adding the entry for ''Inspection for approval of biosecurity level three laboratories'', effective Jan. 3, 2000.

§130.9 Hourly user fees for import or entry services.

(a) User fees for import or entry services listed in paragraphs (a)(1) through (a)(5) of this section, except those services covered by flat rate user fees elsewhere in this part, will be calculated at $56.00 per hour, or $14.00 per quarter hour, with a minimum fee of $16.50, for each employee required to perform the service. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§130.50 and 130.51.

(1) Services provided to live animals for import or entry at airports, ocean ports, and rail ports;

(2) Conducting inspections, including laboratory and facility inspections, required to obtain permits either to import animal products, organisms and vectors, or to maintain compliance with import permits;

(3) Obtaining samples required to be tested either to obtain import permits or to ensure compliance with import permits;

(4) Supervising the opening of in-bond shipments; and

(5) Other import or entry services not specified elsewhere in this part.

(b) [Reserved]

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[64 FR 51422, Sept. 23, 1999, as amended at 64 FR 67698, Dec. 3, 1999]

EFFECTIVE DATE NOTE: At 64 FR 67698, Dec. 3, 1999, §130.9 was amended by revising the introductory text of paragraph (a), effective Jan. 3, 2000. For the convenience of the user, the superseded text is set forth as follows:

§130.9 Hourly user fees for import or entry services.

(a) User fees for import and entry services listed in paragraphs (a)(1) through (a)(5) of this section will be calculated at $56.00 per hour, or $14.00 per quarter hour, with a minimum fee for $16.50, for each employee required to perform the service. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§130.50 and 130.51.

* * * * *

§130.10 User fees for pet birds.

(a) User fees for pet birds of U.S. origin returning to the United States, except pet birds of U.S. origin returning from Canada, are as follows:

(1) $71.25 per lot if the birds have been out of the United States for 60 days or less;

(2) $169.75 per lot if the birds have been out of the United States for more than 60 days.

(b) User fees for each pet bird quarantined in an animal import center or other APHIS-owned or supervised quarantine facility are listed in the following table. These user fees include standard care, feed, and handling. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§130.50 and 130.51.

Number of birds in isolette	Daily user fee
1	$6.50
2	7.75
3	9.25
4	10.75
5	12.00

(c) Based on the information provided to APHIS personnel, APHIS personnel at the Animal Import Center or other APHIS owned or supervised quarantine facility will determine the appropriate number of birds that should be housed per isolette.

(d) If the person or persons for whom the service is provided or the person or persons requesting the service request additional services on an hourly basis, the user fees for each employee required to perform the service are:

(1) $56.00 per hour;

(2) $14.00 per quarter-hour;

(3) With a minimum of $16.50.

(Approved by the Office of Management and Budget under control number 0579–0094)

[61 FR 20434, May 7, 1996; 61 FR 25513, May 21, 1996, as amended at 62 FR 56026, Oct. 28, 1997; 63 FR 53791, Oct. 7, 1998; 64 FR 67700, Dec. 3, 1999]

§§ 130.11–130.13 [Reserved]

§ 130.14 User fees for FADDL veterinary diagnostics.

(a) Diagnostic reagents. User fees for diagnostic reagents[4] provided by FADDL are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Reagent	User fee	Unit
Bovine antiserum, any agent	$80.00	1 ml.
Caprine antiserum, any agent	97.50	1 ml.
Cell culture antigen/microorganism	63.75	1 ml.
Equine antiserum, any agent	100.50	1 ml.
Fluorescent antibody conjugate	120.25	1 ml.
Guinea pig antiserum, any agent	104.50	1 ml.
Monoclonal antibody	122.75	1 ml.
Ovine antiserum, any agent	94.25	1 ml.
Porcine antiserum, any agent	81.25	1 ml.
Rabbit antiserum, any agent	98.50	1 ml.

(b) *Veterinary diagnostics tests.* User fees for veterinary diagnostic tests performed at FADDL are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Agar gel immunodiffusion	$14.75	Test.
Card	8.25	Test.
Complement fixation	33.00	Test.
Direct immunofluorescent antibody	11.00	Test.
Enzyme linked immunosorbent assay	12.75	Test.
Fluorescent antibody neutralization (hog cholera)	96.00	Test.
Hemagglutination inhibition	27.75	Test.
Immunoperoxidase	18.25	Test.
Indirect fluorescent antibody	23.25	Test.
In-vitro safety	299.50	Test.
In-vivo safety	4345.75	Test.
Latex agglutination	11.00	Test.
Tube agglutination	14.00	Test.
Virus isolation (oesophageal/pharyngeal)	88.25	Test.

[4] Reagents provided by FADDL are for the diagnosis of animal diseases foreign to the United States. These reagents may be available to customers on the mainland after safety testing with permission from the Administrator. The customer may have to pay the cost for the safety test in addition to the reagent user fee. For more information on the specific reagents contact: Laboratory Chief, USDA, APHIS, VS, FADDL, Greenport, NY 11344; phone (516) 323–2500, FAX (516) 323–2798.

Test	User fee	Unit
Virus isolation in embryonated eggs	176.00	Test.
Virus isolation, other	84.50	Test.
Virus neutralization	25.75	Test.

(c) *Other veterinary diagnostic services.* User fees for other veterinary diagnostic services performed at FADDL are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Veterinary diagnostic service	User fee	Unit
Bacterial isolation	$55.00	Test.
Hourly user fee services [1]	220.00	Hour.
Hourly user fee services—Quarter hour	55.00	Quarter hour.
Infected cells on chamber slides or plates	31.00	Slide.
Reference animal tissues for immunohistochemistry	94.25	Set.
Sterilization by gamma radiation	530.00	Can.
Training (school or technical assistance)	450.00	Per person per day.
Virus titration	55.00	Test.

[1] For all veterinary diagnostic services for which there is no flat rate user fee, the hourly rate user fee will be calculated for the actual time required to provide the service.

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53791, Oct. 7, 1998, as amended at 64 FR 67700, Dec. 3, 1999]

§ 130.15 User fees for veterinary diagnostic isolation and identification tests performed at NVSL (excluding FADDL) or other authorized site.

(a) *Bacteriology isolation and identification tests.* User fees for bacteriology isolation and identification tests performed at NVSL (excluding FADDL) or other authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Bacterial identification, automated	$16.00	Isolate.
Bacterial identification, non-automated	61.25	Isolate.
Bacterial isolation	16.00	Sample.
Bacterial serotyping, all other	30.75	Isolate.
Bacterial serotyping, Pasteurella multocida	7.50	Isolate.
Bacterial serotyping, Salmonella	21.25	Isolate.
Bacterial toxin typing	91.50	Isolate.
Bacteriology requiring special characterization	27.00	Test.
DNA fingerprinting	36.50	Test
DNA probe	29.50	Test.
Fluorescent antibody [1]	9.75	Test.
Leptospira culturing	27.00	Sample.
Leptospira serotyping	80.50	Isolate.
Mycobacterium avian serotyping	157.50	Isolate.
Mycobacterium identification (biochemical)	63.25	Isolate.
Mycobacterium identification (gas chromatography)	26.50	Procedure.
Mycobacterium isolation, animal inoculations	520.50	Submission.
Mycobacterium isolation, all other	105.50	Submission.
Mycobacterium paratuberculosis isolation	26.50	Submission.
Mycology culture identification	52.75	Isolate.
Mycology/fungus culture or isolation	26.50	Isolate.
Mycoplasma isolation	26.25	Sample.
Mycoplasma identification	26.25	Isolate.
Phage typing, all other	26.50	Isolate.
Phage typing, Salmonella enteritidis	10.75	Isolate.
Plasmid typing	26.50	Isolate.

Test	User fee	Unit
Warburg	316.50	Isolate.

[1] A discount will apply to all diagnostic, non-import related complement fixation, hemagglutination inhibition, fluorescent antibody, indirect fluorescent antibody, virus neutralization, and peroxidase linked antibody tests. This discount only applies to the 11th and subsequent tests on the same submission by the same submitter for the same test and antigen. The user fee for each discounted test will be 20 percent of the original user fee rounded up to the nearest quarter. This discount will apply for tests for all diseases except equine piroplasmosis, bovine piroplasmosis, dourine, and glanders.

(b) *Virology identification tests.* User fees for virology identification tests performed at NVSL (excluding FADDL) or other authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Fluorescent antibody tissue section	$18.25	Test.
Virus isolation for Newcastle disease virus	15.25	Test.
Virus isolation (except for Newcastle disease virus)	31.50	Test.

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53792, Oct. 7, 1998]

§ 130.16 User fees for veterinary diagnostic serology tests performed at NVSL (excluding FADDL) or at authorized sites.

(a) *Bacteriology serology tests.* User fees for bacteriology serology tests performed at NVSL (excluding FADDL) or other authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Brucella milk ELISA	$15.75	Test.
Brucella ring (BRT)	10.50	Test.
Brucella ring, Heat inactivated (HIRT)	10.50	Test.
Brucella ring, Serial (Serial BRT)	15.75	Test.
Buffered acidified plate antigen presumptive	4.00	Test.
Card	2.00	Test.
Complement fixation [1]	9.00	Test.
Enzyme linked immunosorbent assay for dourine, glanders, or piroplasmosis	9.00	Test.
Enzyme linked immunosorbent assay, all other	4.75	Test.
Indirect fluorescent antibody [1]	9.75	Test.
Mercaptoethanol	4.00	Test.
Microscopic agglutination—includes up to 5 serovars [2]	11.00	Sample.
Mycology/fungus serology	10.50	Test.
Particle concentration fluorescent immuno assay (PCFIA)	18.25	Test.
Plate	4.00	Test.
Rapid automated presumptive	4.25	Test.
Rivanol	4.00	Test.
Tube agglutination	4.00	Test.

[1] A discount will apply to all diagnostic, non-import related complement fixation, hemagglutination inhibition, fluorescent antibody, indirect fluorescent antibody, virus neutralization, and peroxidase linked antibody tests. This discount only applies to the 11th and subsequent tests on the same submission by the same submitter for the same test and antigen. The user fee for each discounted test will be 20 percent of the original user fee rounded up to the nearest quarter. This discount will apply for tests for all diseases except equine piroplasmosis, bovine piroplasmosis, dourine, and glanders.

[2] The user fee for the sixth and subsequent serovar will be $2.00 each.

(b) *Virology serology tests.* User fees for virology serology tests performed at NVSL (excluding FADDL) or at authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Agar gel immunodiffusion	$5.00	Test.
Complement fixation [1]	9.00	Test.
Enzyme linked immunosorbent assay	4.75	Test.
Hemagglutination inhibition [1]	7.50	Test.
Indirect fluorescent antibody [1]	9.75	Test.
Latex agglutination	5.00	Test.
Peroxidase linked antibody [1]	9.75	Test.
Plaque reduction neutralization	7.75	Test.
Rabies fluorescent antibody neutralization	26.50	Test.
Virus neutralization [1]	7.75	Test.

[1] A discount will apply to all diagnostic, non-import related complement fixation, hemagglutination inhibition, fluorescent antibody, indirect fluorescent antibody, virus neutralization, and peroxidase linked antibody tests. This discount only applies to the 11th and subsequent tests on the same submission by the same submitter for the same test and antigen. The user fee for each discounted test will be 20 percent of the original user fee rounded up to the nearest quarter. This discount will apply for tests for all diseases except equine piroplasmosis, bovine piroplasmosis, dourine, and glanders.

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53793, Oct. 7, 1998]

§ 130.17 User fees for other veterinary diagnostic laboratory tests performed at NVSL (excluding FADDL) or at authorized sites.

(a) User fees for veterinary diagnostics tests performed at the Pathobiology Laboratory at NVSL (excluding FADDL) or at authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Test	User fee	Unit
Aflatoxin quantitation	$20.50	Test.
Aflatoxin screen	11.25	Test.
Agar gel immunodiffusion spp. identification	6.25	Test.
Antibiotic (bioautography) quantitation	25.00	Test.
Antibiotic (bioautography) screen	50.00	Test.
Antibiotic inhibition	25.25	Test.
Arsenic	6.75	Test.
Ergot alkaloid screen	25.25	Test.
Ergot alkaloid confirmation	33.00	Test.
Feed microscopy	25.25	Test.
Fumonisin only	20.50	Test.
Gossypol	37.75	Test.
Mercury	56.00	Test.
Metals screen	29.75	Test.
Metals single element confirmation	6.75	Test.
Mycotoxin: aflatoxin-liver	82.25	Test.
Mycotoxin screen	34.00	Test.
Nitrate/nitrite	25.00	Test.
Organic compound confirmation	34.00	Test.
Organic compound screen	114.75	Test.
Parasitology	19.25	Test.
Pesticide quantitation	52.25	Test.
Pesticide screen	38.00	Test.
pH	10.00	Test.
Plate cylinder	37.75	Test.
Selenium	33.25	Test.
Silicate/carbonate disinfectant	25.00	Test.
Temperature disks	50.25	Test.
Toxicant quantitation, other	42.25	Test.
Toxicant screen, other	25.00	Test.
Vomitoxin only	20.75	Test.
Water activity	12.50	Test.
Zearaleone quantitation	20.50	Test.
Zearaleone screen	11.25	Test.

(b) [Reserved]

Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[63 FR 53793, Oct. 7, 1998]

§ 130.18 User fees for veterinary diagnostic reagents produced at NVSL or other authorized site (excluding FADDL).

(a) *Bacteriology reagents.* User fees for bacteriology reagents produced by the Diagnostic Bacteriology Laboratory at NVSL (excluding FADDL) or other authorized site are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Reagent	User fee	Unit
Anaplasma card test antigen	$34.00	2 ml.
Anaplasma card test kit without antigen	105.50	Kit.
Anaplasma CF antigen	17.00	2 ml.
Anaplasma stabilate	67.25	4.5 ml.
Avian origin bacterial antiserums, mycoplasma	11.50	1 ml.
Avian origin bacterial antiserums, all other	17.75	1 ml.
Bacterial agglutinating antigens other than brucella and salmonella pullorum	30.50	5 ml.
Bacterial conjugates	36.00	1 ml.
Bacterial disease CF antigens, all other	8.50	1 ml.
Bacterial ELISA antigens	9.50	1 ml.
Bacterial or protozoal antiserums, all other	7.25	1 ml.
Bacterial reagent culture [1]	21.25	Culture.
Bacterial reference culture [2]	63.25	Culture.
Bacteriophage reference culture	63.25	Culture.
Bovine serum factor	1.25	2 ml.
Brucella abortus CF antigen	34.00	60 ml.
Brucella agglutination antigens, all other	34.00	60 ml.
Brucella buffered plate antigen	50.00	60 ml.
Brucella canis tube antigen	30.50	25 ml.
Brucella card test antigen (packaged)	19.50	Package.
Brucella card test kit without antigen	70.25	Kit.
Brucella cells	5.25	Gram.
Brucella cells, dried	2.00	Pellet.
Brucella ring test antigen	72.75	60 ml.
Brucella rivanol solution	8.75	60 ml.
Dourine CF antigen	17.50	1 ml.
Dourine stabilate	34.75	4.5 ml.
Equine and bovine origin hemoparasitic antiserums	21.25	1 ml.
Equine negative control CF antigen	171.25	1 ml.
Equine origin glanders antiserum	18.25	1 ml.
Flazo-orange	6.25	3 ml.
Glanders CF antigen	17.50	1 ml.
Hemoparasitic disease CF antigens, all other	158.25	1 ml.
Leptospira transport medium	3.25	10 ml.
Monoclonal antibody	37.50	1 ml.
Mycobacterium spp. old tuberculin	3.75	1 ml.
Mycobacterium spp. PPD	3.25	1 ml.
Mycoplasma hemagglutination antigens	105.50	5 ml.
Negative control serums	4.00	1 ml.
Other spp. antiserum, any	32.75	1 ml.
Rabbit origin bacterial antiserum	14.25	1 ml.
Salmonella pullorum microagglutination antigen	6.25	5 ml.
Stabilates, all other	258.25	4.5 ml.

[1] A reagent culture is a bacterial culture that has been subcultured one or more times after being tested for purity and identity. It is intended for use as a reagent with a diagnostic test such as the leptospiral microagglutination test.

[2] A reference culture is a bacterial culture that has been thoroughly tested for purity and identity. It should be suitable as a master seed for future cultures.

(b) *Virology reagents.* User fees for virology reagents produced by the Diagnostic Virology Laboratory at NVSL (excluding FADDL) or at authorized sites are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Reagent	User fee	Unit
Antigen, except avian influenza and chlamydia psittaci antigens, any	$41.50	2 ml.
Avian antiserum except avian influenza antiserum, any	23.00	2 ml.
Avian influenza antigen, any	9.25	2 ml.
Avian influenza antiserum, any	53.75	6 ml.
Bovine or ovine serum, any	88.00	2 ml.
Cell Culture	20.00	Flask.
Chlamydia psittaci spp. of origin monoclonal antibody panel	47.25	Panel.
Conjugate, any	20.25	1 ml.
Diluted positive control serum, any	6.75	2 ml.
Equine antiserum, any	12.25	2 ml.
Hog Cholera tissue sets	81.50	Tissue set.
Monoclonal antibody	37.50	1 ml.
Other spp. antiserum, any	32.75	1 ml.
Porcine antiserum, any	60.50	2 ml.
Positive control tissues, all	4.25	2 cm^2 section.
Rabbit origin antiserum	14.25	1 ml.
Reference virus, any	63.50	0.6 ml.
Viruses (except reference viruses), chlamydia psittaci agent, or chlamydia psittaci antigen, any.	5.50	0.6 ml.

(Approved by the Office of Management and Budget under control number 0579–0094)

[63 FR 53794, Oct. 7, 1998]

§ 130.19 User fees for other veterinary diagnostic services or materials provided at NVSL (excluding FADDL).

(a) User fees for other veterinary diagnostic services or materials available from NVSL (excluding FADDL) are listed in the following table. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Service	User fee	Unit
Antimicrobial susceptibility test	$30.50	Isolate.
Avian safety test	2,701.75	Test.
Check tests, anaplasma complement fixation	132.00	Kit [1].
Check tests, culture	88.00	Kit [1].
Check tests, serology, all other	125.75	Kit [1].
Fetal bovine serum safety test	673.50	Verification.
Hourly user fee services: [2].		
Hour	56.00	Hour.
Quarter hour	14.00	Quarter Hour.
Minimum	16.50	
Manual, Brucellosis complement fixation	13.00	1 copy.
Manual, Brucellosis culture	52.75	1 copy.
Manual, Tuberculosis culture (English or Spanish)	79.25	1 copy.
Manual, Veterinary mycology	105.50	1 copy.
Manual, Anaplasmosis, Johne's disease, mycoplasma hyopneumonia, piroplasmosis, dourine, or glanders.	21.25	1 copy.
Manuals or standard operating procedure (SOP), all other	13.25	1 copy.
Manuals or SOP, per page	2.00	1 page.
Training (school or technical assistance)	120.00	Per person per day.

[1] Any reagents required for the check test will be charged separately.
[2] For veterinary diagnostic services for which there is no flat rate user fee the hourly rate user fee will be calculated for the actual time required to provide the service.

(b) [Reserved]

(Approved by the Office of Management and Budget under control number 0579–0094)

[63 FR 53795, Oct. 7, 1998]

§ 130.20 User fees for endorsing export health certificates.

(a) User fees for the endorsement of export health certificates that do not require the verification of tests or vaccinations are listed in the following

table. The user fees apply to each export health certificate[5] endorsed for the following types of animals, birds, or animal products, regardless of the number of animals, birds, or animal products covered by the certificate. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

Certificate categories	User fee
Slaughter animals (except poultry) moving to Canada or Mexico	$24.50
Poultry, including slaughter poultry	21.00
Hatching eggs	21.00
Animal and nonanimal products	21.50
Other endorsements or certifications	16.50

(b)(1) User fees for the endorsement of export health certificates that require the verification of tests or vaccinations are listed in the following table. The user fees apply to each export health certificate[6] endorsed for animals and birds depending on the number of animals or birds covered by the certificate and the number of tests required. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with the provisions in §§ 130.50 and 130.51.

Number of tests/vaccinations	Animals or birds on certificate	User fee
1–2	Nonslaughter horses to Canada	$26.25
	Other animals or birds:	
	First animal	52.50
	Each additional animal	3.00
3–6	First animal	64.75
	Each additional animal	5.00
7 or more	First animal	75.75
	Each additional animal	6.00

(2) If an export certificate covers more than one animal, but the number of tests required for different animals are not the same, the user fee for the certificate is the fee which would be due if all the animals on the certificate required the same number of tests as the animal which requires the greatest number of tests.

(c) The user fees prescribed in this section will not apply to an export health certificate if the export health certificate is prepared for endorsement completely at the site of the inspection by an APHIS veterinarian in the course of performing inspection or supervision services for the animals listed on the certificate, and an APHIS user fee is payable under § 130.21 of this part for the inspection or supervision services performed by the veterinarian.

(d) If a service must be conducted on a Sunday or holiday or at any other time outside the normal tour of duty of the employee, then reimbursable overtime, as provided for in part 97 of this chapter, must be paid for each service, in addition to the user fee listed in this section.

(Approved by the Office of Management and Budget under control number 0579–0055)

[57 FR 771, Jan. 9, 1992, as amended at 58 FR 38958, July 21, 1993. Redesignated at 58 FR 67655, Dec. 22, 1993, and amended at 58 FR 67656, Dec. 22, 1993; 61 FR 20434, 20436, May 7, 1996; 62 FR 61007, Nov. 14, 1997; 63 FR 53796, Oct. 7, 1998; 64 FR 67700, Dec. 3, 1999]

§ 130.21 User fees for inspection and supervision services provided within the United States for export animals, birds, and animal products.

(a) User fees for inspection and supervision services listed in (a)(1) through (a)(7) of this paragraph will be calculated at $56.00 per hour, or $14.00 per quarter-hour, with a minimum fee of $16.50, for each employee required to perform the service. The person for whom the service is provided and the person requesting the service are jointly and severally liable for payment of these user fees in accordance with §§ 130.50 and 130.51.

(1) Inspecting an export isolation facility and the animals in it;

(2) Supervising animal or bird rest periods prior to export;

(3) Supervising loading or unloading of animals or birds for export shipment;

(4) Inspecting means of conveyance used to export animals or birds;

(5) Conducting inspections under authority of part 156 of this chapter;

[5] An export health certificate may need to be endorsed for an animal being exported from the United States if the country to which the animal is being shipped requires one. APHIS endorses export health certificates as a service.

(6) Approving or inspecting an artificial insemination center or a semen collection center or the animals in it; and

(7) Other export or embarkation services not specified elsewhere in this part.

(b) [Reserved]

(Approved by the Office of Management and Budget under control numbers 0579–0055 and 0579–0094)

[57 FR 771, Jan. 9, 1992, as amended at 58 FR 38958, July 21, 1993. Redesignated at 58 FR 67655, Dec. 22, 1993, and amended at 58 FR 67656, Dec. 22, 1993; 61 FR 20436, May 7, 1996; 63 FR 53796, Oct. 7, 1998; 63 FR 71729, Dec. 30, 1998]

§ 130.22 User fees for inspection services outside the United States.

(a) If inspection services (including inspection, testing, and supervision services) are performed outside the United States, in accordance with this title, and the regulations do not contain a provision for payment of the cost of the service, the person requesting the service must pay a user fee under this section.

(b) Any person who wants APHIS to provide inspection services outside the United States must contact the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import-Export, 4700 River Road, Unit 38, Riverdale, Maryland 20737–1231, to make an agreement.

(c) All agreements must include the following:

(1) Name, mailing address, and telephone number of either the person requesting the inspection services, or his or her agent;

(2) Explanation of inspection services to be provided, including the regulations in title 9, Code of Federal Regulations which provide for the services;

(3) Date(s) and time(s) the inspection services are to be provided;

(4) Location (including street address) where inspection services are to be provided;

(5) An estimate of the actual cost, as calculated by APHIS, to provide the described inspection services for 6 months;

(6) A statement that APHIS agrees to provide the inspection services;

(7) A statement that the person requesting the inspection services, or, if appropriate, his or her agent, agrees to pay, at the time the agreement is entered into, a user fee equal to the estimated cost of providing the described inspection services for 6 months; and

(8) A statement that the person requesting the inspection services, or, if appropriate, his or her agent, agrees to maintain a user fee payment account equal to the cost of providing the described inspection services for 6 months, as calculated monthly by APHIS.

(d) APHIS will enter into an agreement only if qualified personnel can be made available to provide the inspection services.

(e) An agreement can be terminated by either party on 30 days written notice.

(f) If, at the time an agreement is terminated, any unobligated funds remain in the user fee payment account, APHIS will refund the funds to the person who requested the inspection services, or his or her agent.

[57 FR 771, Jan. 9, 1992. Redesignated at 58 FR 67655, Dec. 22, 1993; 59 FR 67617, Dec. 30, 1994]

§§ 130.23—130.48 [Reserved]

§ 130.49 Exemptions.

(a) *Veterinary diagnostics.* User fees for veterinary diagnostic services, including, but not limited to, tests and diagnostic reagents specified in §§ 130.14 through 130.19, are not charged under the following conditions:

(1) When veterinary diagnostic services are provided in connection with Federal programs to control or eradicate diseases or pests of livestock or poultry in the United States (program diseases);

(2) When veterinary diagnostic services are provided in support of zoonotic disease surveillance when the Administrator has determined that there is a significant threat to human health; and

(3) When veterinary diagnostic reagents are distributed within the United States for testing for foreign animal diseases.

(b) [Reserved]

[62 FR 61007, Nov. 14, 1997, as amended at 63 FR 53796, Oct. 7, 1998]

§ 130.50 Payment of user fees.

(a) *Who must pay APHIS user fees?* Any person for whom a service is provided related to the importation, entry, or exportation of an animal, article, or means of conveyance or related to veterinary diagnostics, and any person requesting such service, shall be jointly and severally liable for payment of fees assessed.

(b) *Associated charges*—(1) *Reservation fee.* Any reservation fee paid by an importer under part 93 of this chapter will be applied to the APHIS user fees specified in §§ 130.2 and 130.3 for animals or birds quarantined in an animal import center.

(2) *Special handling expenses.* The user fees in this part do not include any costs that may be incurred due to special mail handling, including, but not limited to, express, overnight, or foreign mailing. If any service requires special mail handling, the user must pay all costs incurred, in addition to the user fee for the service.

(3) *When do I pay an additional amount for employee(s) working overtime?* You must pay an additional amount if you need an APHIS employee to work on a Sunday, on a holiday, or at any time outside the normal tour of duty of that employee. You pay the amount specified in paragraphs (b)(3) (i) or (ii), as relevant, for each employee needed to get the work done.

(i) *What additional amount do I pay if I receive a flat rate user fee service?* In addition to the flat rate user fee(s), you pay the overtime rate listed in the following table for each employee needed to get the work done:

OVERTIME [1] [2] FOR FLAT RATE USER FEES

	Outside the employee's normal tour of duty	
	Monday through Saturday and holidays	Sundays
Amount per hour if we must inspect, test, certify, or quarantine your animals, animal products, or other commodities (see § 97.1(a) or 7 CFR 354.3 for details)	$37.84	$47.96
Amount per hour if we must inspect your commercial aircraft (see § 97.1(a)(3) for details)	30.64	39.36

[1] Minimum charge of 2 hours, unless performed on the employee's regular work day and performed in direct continuation of the regular work day or begun within an hour of the regular work day.
[2] When the 2 hour minimum applies, you may need to pay commuted travel time. (See § 97.1(b) for specific information about commuted travel time.)

(ii) *What additional amount do I pay if I receive an hourly rate user fee service?* Instead of paying the hourly rate user fee, you pay the rate listed in the following table for each employee needed to get the work done:

PREMIUM RATE USER FEE

	Outside the employee's normal tour of duty	
	Monday through Saturday and holidays	Sundays
Per hour	$65.00	$74.00
Per quarter-hour	16.25	18.50
Minimum	16.50	16.50

(c) *When are APHIS user fees due?*—(1) *Animal and bird quarantine and related tests.* User fees specified in §§ 130.2, 130.3, 130.5, 130.10, and tests specified in §§ 130.14 through 130.19 for animals and birds in an Animal Import Center or privately operated permanent or temporary import quarantine facilities, including user fees for tests conducted on these animals or birds, must be paid prior to the release of those animals or birds from quarantine.

(2) *Supervision and inspection services for export animals, animal products.* User fees for supervision and inspection services specified in § 130.21 must be paid when billed, or, if covered by a compliance agreement signed in accordance with this chapter, must be paid when specified in the agreement.

(3) *Export health certificates.* User fees for export health certificates specified in § 130.20 must be paid prior to receipt of endorsed certificates unless APHIS determines that the user has established an acceptable credit history, at which time payment may, at the option of the user, be made when billed.

(4) *Veterinary diagnostics.* User fees specified in §§ 130.14 through 130.19 for veterinary diagnostic services, such as tests on samples submitted to NVSL or FADDL, diagnostic reagents, slide sets, tissue sets, and other veterinary diagnostic services, must be paid when the veterinary diagnostic service is requested, unless APHIS determines that the user has established an acceptable credit history, at which time payment may, at the option of the user, be made when billed.

(5) *Other user fee services.* User fees specified in §§ 130.6, 130.7, 130.8, and 130.9 must be paid when service is provided (for example when live animals are inspected when presented for importation at a port of entry), unless APHIS determines that the user has established an acceptable credit history, at which time payment may, at the option of the user, be made when billed.

(d) *What payment methods are acceptable?* Payment must be for the exact amount due and may be paid by:

(1) Cash, will be accepted only during normal business hours if payment is made at an APHIS office[7] or an Animal Import Center;

(2) All types of checks, including traveler's checks, drawn on a U.S. bank in U.S. dollars and made payable to the U.S. Department of Agriculture or USDA;

(3) Money orders, drawn on a U.S. bank in U.S. dollars and made payable to the U.S. Department of Agriculture or USDA; or

(4) Credit cards (VISA™ and MasterCard™) if payment is made at an Animal Import Center or an APHIS office that is equipped to process credit cards.[7]

[63 FR 53796, Oct. 7, 1998, as amended at 64 FR 67700, Dec. 3, 1999]

§ 130.51 Penalties for nonpayment or late payment.

(a) *Unpaid debt.* If any person for whom the service is provided fails to pay when due any debt to APHIS, including any user fee due under 7 CFR chapter III or chapter I of this title, then:

(1) *Subsequent user fee payments.* Payment must be made for subsequent user fees before the service is provided if:

(i) For unbilled fees, the user fee is unpaid 60 days after the date the pertinent regulatory provision indicates payment is due;

(ii) For billed fees, the user fee is unpaid 60 days after date of bill;

(iii) The person for whom the service is provided or the person requesting the service has not paid the late payment penalty or interest on any delinquent APHIS user fee; or

(iv) Payment has been dishonored.

(2) *Resolution of difference between estimate and actual.* APHIS will estimate the user fee to be paid; any difference between the estimate and the actual amount owed to APHIS will be resolved as soon as reasonably possible following the delivery of the service, with APHIS returning any excess to the payor or billing the payor for the additional amount due.

(3) *Prepayment form.* The prepayment must be in guaranteed form, such as money order, certified check, or cash. Prepayment in guaranteed form will continue until the debtor pays the delinquent debt.

(4) *Denied service.* Service will be denied until the debt is paid if:

(i) For unbilled fees, the user fee is unpaid 90 days after date the pertinent regulatory provision indicates payment is due;

(ii) For billed fees, the user fee is unpaid 90 days after date of bill;

[7] A list of APHIS offices and Animal Import Centers that accept cash or credit cards may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, National Center for Import and Export, 4700 River Road Unit 38, Riverdale, MD 20738–1231.

(iii) The person for whom the service is provided or the person requesting the service has not paid the late payment penalty or interest on any delinquent APHIS user fee; or

(iv) Payment has been dishonored.

(b) *Unpaid debt during service.* If APHIS is in the process of providing a service for which an APHIS user fee is due, and the user has not paid the fee within the time required, or if the payment offered by the user is inadequate or unacceptable, then APHIS will take the following action:

(1) *Animals or birds in quarantine.* If an APHIS user fee specified in §130.2 or §130.3 is due for animals or birds in quarantine at an animal import center or at a privately operated import quarantine facility, APHIS will not release them.

(2) *Export health certificate.* If an APHIS user fee specified in §130.20 is due for an export health certificate, APHIS will not release the certificate.

(3) *Veterinary diagnostics.* If an APHIS user fee specified in §§130.14 through 130.19 is due for a veterinary diagnostic test or service, APHIS will not release the test result, any endorsed certificate, or any other veterinary diagnostic service.

(c) *Late payment penalty.* If for unbilled user fees, the user fees are unpaid 30 days after the date the pertinent regulatory provisions indicates payment is due, or if billed, are unpaid 30 days after the date of the bill, APHIS will impose a late payment penalty and interest charges in accordance with 31 U.S.C. 3717.

(d) *Dishonored payment penalties.* User fees paid with dishonored forms of payment, such as a check returned for insufficient funds, will be subject to interest and penalty charges in accordance with 30 U.S.C. 3717. Administrative charges will be assessed at $20.00 per dishonored payment to be paid in addition to the original amount owed. Payment must be in guaranteed form, such as cash, money order, or certified check.

(e) *Debt collection management.* In accordance with the Debt Collection Improvement Act of 1996, the following provisions apply:

(1) *Taxpayer identification number.* APHIS will collect a taxpayer identification number from all persons, other than Federal agencies, who are liable for a user fee.

(2) *Administrative offset.* APHIS will notify the Department of Treasury of debts that are over 180 days delinquent for the purposes of administrative offset. Under administrative offset, the Department of Treasury will withhold funds payable by the United States to a person (i.e., Federal income tax refunds) to satisfy the debt to APHIS.

(3) *Cross-servicing.* APHIS will transfer debts that are over 180 days delinquent to the Department of Treasury for cross-servicing. Under cross-servicing, the Department of Treasury will collect debts on behalf of APHIS. Exceptions will be made for debts that meet certain requirements, for example, debts that are already at a collection agency or in payment plan.

(4) *Report delinquent debt.* APHIS will report all unpaid debts to credit reporting bureaus.

(f) *Animals or birds abandoned after quarantine at an animal import center.* Animals or birds left in quarantine at an animal import center for more than 30 days after the end of the required quarantine period will be deemed to be abandoned.

(1) After APHIS releases the abandoned animals or birds from quarantine, APHIS may seize them and sell or otherwise dispose of them, as determined by the Administrator, provided that their sale is not contrary to any Federal law or regulation, and may recover all expenses of handling the animals or birds from the proceeds of their sale or disposition.

(2) If animals or birds abandoned in quarantine at an animal import center cannot be released from quarantine, APHIS may seize and dispose of them, as determined by the Administrator, and may recover all expenses of handling the animals or birds from the proceeds of their disposition and from persons liable for user fees under §130.50(a).

[63 FR 53797, Oct. 7, 1998]

SUBCHAPTER G—POULTRY IMPROVEMENT

PART 145—NATIONAL POULTRY IMPROVEMENT PLAN

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AUTHORITY: 7 U.S.C. 429; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 36 FR 23112, Dec. 3, 1971, unless otherwise noted. Redesignated at 44 FR 61586, Oct. 26, 1979.

Subpart A—General Provisions

§ 145.1 Definitions.

Words used in this part in the singular form shall be deemed to import the plural, and vice versa, as the case may demand. Except where the context otherwise requires, for the purposes of this part the following terms shall be construed, respectively, to mean:

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Affiliated flockowner. A flockowner who is participating in the Plan through an agreement with a participating hatchery.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the U.S. Department of Agriculture.

Authorized Agent. Any person designated under §145.11(a) to perform functions under this part.

Authorized laboratory. A laboratory designated by an Official State Agency, subject to review by the Service, to perform the blood testing and bacteriological examinations provided for in this part.

Baby poultry. Newly hatched poultry (chicks, poults, ducklings, goslings, keets, etc.) that have not been fed or watered.

Colon bacilli. For the purpose of this chapter, those organisms which are

gram negative, non spore-forming bacilli, which ferment lactose with gas formation, and serve as an index of fecal contamination.

Dealer. An individual or business that deals in commerce in hatching eggs, newly-hatched poultry, and started poultry obtained from breeding flocks and hatcheries. This does not include an individual or business that deals in commerce in buying and selling poultry for slaughter only.

Department. The U.S. Department of Agriculture.

Domesticated. Propagated and maintained under the control of a person.

Equivalent or equivalent requirements. Requirements which are equal to the program, conditions, criteria, or classifications with which compared, as determined by the Official State Agency and with the concurrence of the Service.

Exposed (Exposure). Contact with birds, equipment, personnel, supplies, or any article infected with, or contaminated by, communicable poultry disease organisms.

Flock—(1) *As applied to breeding.* All poultry of one kind of mating (breed and variety or combination of stocks) and of one classification on one farm;

(2) *As applied to disease control.* All of the poultry on one farm except that, at the discretion of the Official State Agency, any group of poultry which is segregated from another group and has been so segregated for a period of at least 21 days may be considered as a separate flock.

Fluff sample. Feathers, shell membrane, and other debris resulting from the hatching of poultry.

Fowl typhoid or typhoid. A disease of poultry caused by Salmonella gallinarum.

Franchise breeder. A breeder who normally sells products under a specific strain or trade name and who authorizes other hatcheries to produce and sell products under this same strain or trade name.

Franchise hatchery. A hatchery which has been authorized by a franchise breeder to produce and sell products under the breeder's strain or trade name.

Hatchery. Hatchery equipment on one premises operated or controlled by any person for the production of baby poultry.

Infected flock. A flock in which an authorized laboratory has discovered one or more birds infected with a communicable poultry disease for which a program has been established under the Plan.

Midlay. Approximately 2–3 months after a flock begins to lay or after a molted flock is put back into production.

Multiplier breeding flock. A flock that is intended for the production of hatching eggs used for the purpose of producing progeny for commercial egg or meat production or for other nonbreeding purposes.

Official State Agency. The State authority recognized by the Department to cooperate in the administration of the Plan.

Official supervision—(1) *As applied to Plan programs.* The direction, inspection, and critical evaluation by the Official State Agency of compliance with the provisions of the Plan;

(2) *As applied to non-Plan but equivalent State poultry improvement programs.* The direction, inspection, and critical evaluation by an officer or agency of a State government, of compliance with a publicly announced State poultry improvement program.

Person. A natural person, firm, or corporation.

Plan. The provisions of the National Poultry Improvement Plan contained in this part.

Poultry. Domesticated fowl, including chickens, turkeys, ostriches, waterfowl, and game birds, except doves and pigeons, which are bred for the primary purpose of producing eggs or meat.

Primary breeding flock. A flock composed of one or more generations that is maintained for the purpose of establishing, continuing, or improving parent lines.

Products. Poultry breeding stock and hatching eggs, baby poultry, and started poultry.

Program. Management, sanitation, testing, and monitoring procedures which, if complied with, will qualify, and maintain qualification for, designation of a flock, products produced from the flock, or a state by an official

Plan classification and illustrative design, as described in § 145.10 of this part.

Pullorum disease or pullorum. A disease of poultry caused by Salmonella pullorum.

Reactor. A bird that has a positive reaction to a test, required or recommended in parts 145 or 147 of this chapter, for any poultry disease for which a program has been established under the Plan.

Salmonella. Any bacteria belonging to the genus Salmonella, including the arizona group.

Sanitize. To treat with a product which is registered by the Environmental Protection Agency as germicidal, fungicidal, pseudomonocidal, or tuberculocidal, in accordance with the specifications for use as shown on the label of each product. The Official State Agency, with the concurrence of the Service, shall approve each product or procedure according to its specified usage.

Service. The Animal and Plant Health Inspection Service, Veterinary Services, of the Department.

Serial. The total quantity of completed product which has been thoroughly mixed in a single container and identified by a serial number.

Sexual Maturity. The average age at which a species of poultry is biologically capable of reproduction.

Started poultry. Young poultry (chicks, pullets, cockerels, capons, poults, ducklings, goslings, keets, etc.) that have been fed and watered and are less than 6 months of age.

State. Any State, the District of Columbia, or Puerto Rico.

State Inspector. Any person employed or authorized under § 145.11(b) to perform functions under this part.

Stock. A term used to identify the progeny of a specific breeding combination within a species of poultry. These breeding combinations may include pure strains, strain crosses, breed crosses, or combinations thereof.

Strain. Poultry breeding stock bearing a given name produced by a breeder through at least five generations of closed flock breeding.

S. typhimurium infection or typhimurium. A disease of poultry caused by Salmonella typhimurium or S. typhimurium var. copenhagen.

Succeeding flock. A flock brought onto a premises during the 12 months following removal of an infected flock.

Suspect flock. A flock shall be considered, for the purposes of the Plan, to be a suspect flock if any evidence exists that it has been exposed to a communicable poultry disease.

Trade name or number. A name or number compatible with State and Federal laws and regulations applied to a specified stock or product thereof.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13706, May 24, 1973; 41 FR 14256, Apr. 2, 1976; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21991, May 20, 1982; 49 FR 19802, May 10, 1984; 50 FR 19898, May 13, 1985; 54 FR 23954, June 5, 1989; 57 FR 57340, Dec. 4, 1992; 59 FR 12798, Mar. 18, 1994; 63 FR 40009, July 27, 1998]

§ 145.2 Administration.

(a) The Department cooperates through a Memorandum of Understanding with Official State Agencies in the administration of the Plan.

(b) The administrative procedures and decisions of the Official State Agency are subject to review by the Service. The Official State Agency shall carry out the administration of the Plan within the State according to the applicable provisions of the Plan and the Memorandum of Understanding.

(c) An Official State Agency may accept for participation an affiliated flock located in another State under a mutual understanding and agreement, in writing, between the two Official State Agencies regarding conditions of participation and supervision.

(d) The Official State Agency of any State may, except as limited by § 145.3(d), adopt regulations applicable to the administration of the Plan in such State further defining the provisions of the Plan or establishing higher standards compatible with the Plan.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 48 FR 57473, Dec. 30, 1983]

§ 145.3 Participation.

(a) Any person producing or dealing in products may participate in the Plan when he has demonstrated, to the satisfaction of the Official State Agency, that his facilities, personnel, and practices are adequate for carrying out the applicable provisions of the Plan, and has signed an agreement with the Official State Agency to comply with the general and the applicable specific provisions of the Plan and any regulations of the Official State Agency under §145.2. Affiliated flockowners may participate without signing an agreement with the Official State Agency.

(b) Each participant shall comply with the Plan throughout the operating year of the Official State Agency, or until released by such Agency.

(c) A participant in any State shall participate with all of his poultry hatching egg supply flocks and hatchery operations within such State. He shall report to the Official State Agency on VS Form 9—2 (formerly NPIP Form 3B) or through other appropriate means each breeding flock before the birds reach 24 weeks of age or, in the case of ostriches, before the birds reach 20 months of age. This report will include:

(1) Name and address of flockowner;

(2) Flock location and designation;

(3) Type: Primary or Multiplier;

(4) Breed, variety, strain, or trade name of stock;

(5) Source of males;

(6) Source of females;

(7) Number of birds in the flock; and

(8) Intended classification of flock.

(d) No person shall be compelled by the Official State Agency to qualify products for any of the other classifications described in §145.10 as a condition of qualification for the U.S. Pullorum-Typhoid Clean classification.

(e) Participation in the Plan shall entitle the participant to use the Plan emblem reproduced below:

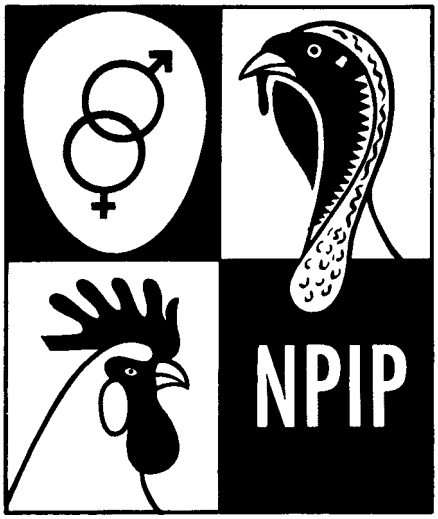

FIGURE 1.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971, as amended at 40 FR 1500, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979 and amended at 48 FR 57473, Dec. 30, 1983; 57 FR 57341, Dec. 4, 1992; 63 FR 40010, July 27, 1998]

§ 145.4 General provisions for all participants.

(a) Records of purchases and sales and the identity of products handled shall be maintained in a manner satisfactory to the Official State Agency.

(b) Products, records of sales and purchase of products, and material used to advertise products shall be subject to inspection by the Official State Agency at any time.

(c) Advertising must be in accordance with the Plan, and applicable rules and regulations of the Official State Agency and the Federal Trade Commission. A participant advertising products as being of any official classification may include in his advertising reference to associated or franchised hatcheries only when such hatcheries produce the

same kind of products of the same classification.

(d) Except as provided by this paragraph, participants in the Plan may not buy or receive products for any purpose from nonparticipants unless they are part of an equivalent program, as determined by the Official State Agency. Participants in the Plan may buy or receive products from flocks that are neither participants nor part of an equivalent program, for use in breeding flocks or for experimental purposes, under the following conditions only:

(1) With the permission of the Official State Agency and the concurrence of the Service; and

(2) By segregation of all birds before introduction into the breeding flock. Upon reaching sexual maturity, the segregated birds must be tested and found negative for pullorum-typhoid. The Official State Agency may require a second test at its discretion.

(e) Each participant shall be assigned a permanent approval number by the Service. This number, prefaced by the numerical code of the State, will be the official approval number of the participant and may be used on each certificate, invoice, shipping label, or other document used by the participant in the sale of his products. Each Official State Agency which requires an approval or permit number for out-of-State participants to ship into its State should honor this number. The approval number shall be withdrawn when the participant no longer qualifies for participation in the Plan.

(Approved by the Office of Management and Budget under control number 0579–0057)

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13706, May 24, 1973; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, as amended at 47 FR 21991, May 20, 1982; 48 FR 57473, Dec. 30, 1983; 57 FR 57341, Dec. 4, 1992]

§ 145.5 Specific provisions for participating flocks.

(a) Poultry equipment, and poultry houses and the land in the immediate vicinity thereof, shall be kept in sanitary condition as recommended in §§ 147.21 and 147.22 (a) and (e) of this chapter. The participating flock, its eggs, and all equipment used in connection with the flock shall be separated from nonparticipating flocks, in a manner acceptable to the Official State Agency.

(b) All flocks shall consist of healthy, normal individuals characteristic of the breed, variety, cross, or other combination which they are stated to represent.

(c) A flock shall be deemed to be a participating flock at any time only if it has qualified for the U.S. Pullorum-Typhoid Clean classification, as prescribed in Subparts B, C, D, E, or F of this part.

(d) Each bird shall be identified with a sealed and numbered band obtained through or approved by the Official State Agency: *Provided*, That exception may be made at the discretion of the Official State Agency.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13706, May 24, 1973. Redesignated at 44 FR 61586, Oct. 26, 1979, as amended at 63 FR 40010, July 27, 1998]

§ 145.6 Specific provisions for participating hatcheries.

(a) Hatcheries, including brooder rooms, shall be kept in sanitary condition, acceptable to the Official State Agency. The procedures outlined in §§ 147.22 through 147.25 of this chapter shall be considered as a guide in determining compliance with this provision. The minimum requirements with respect to sanitation shall include the following:

(1) Incubator walls, floors, and trays shall be kept free from broken eggs and eggshells.

(2) Tops of incubators and hatchers shall be kept clean (not used for storage).

(3) Entire hatchery, including sales room, shall be kept in a neat, orderly condition and free from accumulated dust.

(4) Hatchery residue, such as eggshells, infertile eggs, and dead germs, shall be disposed of promptly and in a manner satisfactory to the Official State Agency.

(5) Hatchers and hatching trays shall be cleaned and fumigated or disinfected after each hatch, preferably using the procedures outlined in §§ 147.24(b) and 147.25(e) of this chapter. While not mandatory for participation, all eggs

set should be fumigated as described in §147.25 or otherwise sanitized.

(b) A hatchery which keeps started poultry must keep such poultry separated from the incubator room in a manner satisfactory to the Official State Agency.

(c) All baby and started poultry offered for sale under Plan terminology shall be normal and typical of the breed, variety, cross, or other combination represented.

(d) Eggs incubated shall be sound in shell, typical for the breed, variety, strain, or cross thereof and reasonably uniform in shape. Hatching eggs shall be trayed and the baby poultry boxed with a view to uniformity of size.

(e) If a person is responsibly connected with more than one hatchery, all of such hatcheries must participate in the Plan if any of them participate. A person is deemed to be responsibly connected with a hatchery if he or she is a partner, officer, director, holder, owner of 10 percent or more of the voting stock, or an employee in a managerial or executive capacity.

[36 FR 23112, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19802, May 10, 1984]

§145.7 Specific provisions for participating dealers.

Dealers in poultry breeding stock, hatching eggs, or baby or started poultry shall comply with all provisions in this part which apply to their operations.

§145.8 Terminology and classification; general.

(a) The official classification terms defined in §§145.9 and 145.10 and the various designs illustrative of the official classifications reproduced in §145.10 may be used only by participants and to describe products that have met all the specific requirements of such classifications.

(b) Products produced under the Plan shall lose their identity under Plan terminology when they are purchased for resale by or consigned to nonparticipants.

(c) Participating flocks, their eggs, and the baby and started poultry produced from them may be designated by their strain or trade name. When a breeder's trade name or strain designation is used, the participant shall be able by records to substantiate that the products so designated are from flocks that are composed of either birds hatched from eggs produced under the direct supervision of the breeder of such strain, or stock multiplied by persons designated and so reported by the breeder to each Official State Agency concerned.

§145.9 Terminology and classification; hatcheries and dealers.

Participating hatcheries and dealers shall be designated as ''National Plan Hatchery'' and ''National Plan Dealer'', respectively. All Official State Agencies shall be notified by the Service of additions, withdrawals, and changes in classification.

[36 FR 23112, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21991, May 20, 1982]

§145.10 Terminology and classification; flocks, products, and States.

Participating flocks, products produced from them, and States which have met the respective requirements specified in part 145 subpart B, C, D, E, or F may be designated by the following terms or illustrative designs:

(a) *U.S. Approved.* (See §145.53(a).)

FIGURE 2

(b) *U.S. Pullorum-Typhoid Clean.* (See §145.23(b), §145.33(b), §145.43(b), §sect;145.53(b), and 145.63(a).)

FIGURE 3

(c) *U.S. M. Gallisepticum Clean.* (See § 145.23(c), § 145.23(f), § 145.33(c), § 145.33(f), § 145.43(c), and § 145.53(c).)

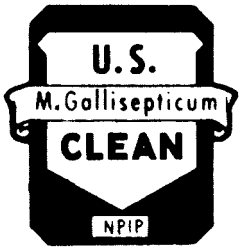

Figure 4

(d) *U.S. Sanitation Monitored.* (See § 145.33(d).)

FIGURE 5

(e) *U.S. M. Synoviae Clean.* (See § 145.23(e), § 145.23(g), § 145.33(e), § 145.33(g), § 145.43(e), and § 145.53(d)).

Figure 6

(f) *U.S. M. Meleagridis Clean*—(See § 145.43(d)).

Figure 7

(g) *U.S. Pullorum-Typhoid Clean State.* (See § 145.24(a), § 145.34(a), § 145.44(a), and § 145.54(a).)

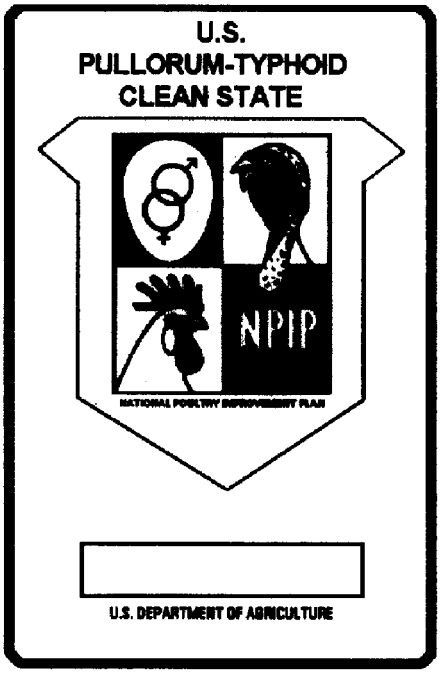

Figure 8

(h) *U.S. Pullorum-Typhoid Clean State, Turkeys.* (See § 145.44(b).)

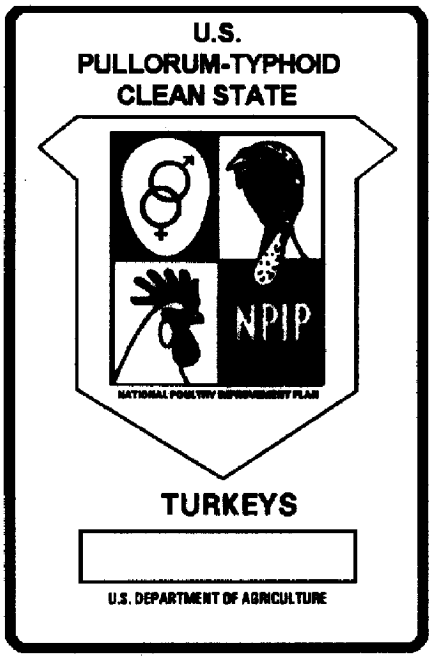

Figure 9

(i) *U.S.M. Gallisepticum Clean State, Turkeys.* (See §145.44(c).)

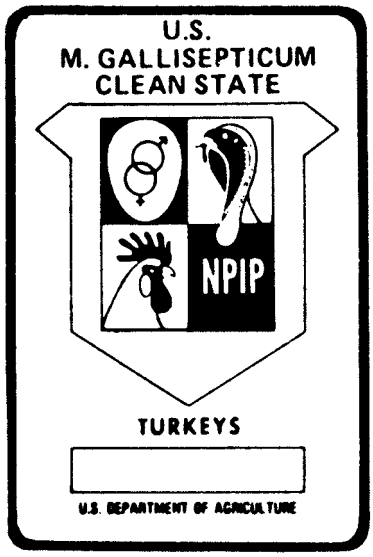

Figure 10

(j) *U.S. M. Gallisepticum Clean State, Meat-Type Chickens.* (See §145.34(b).)

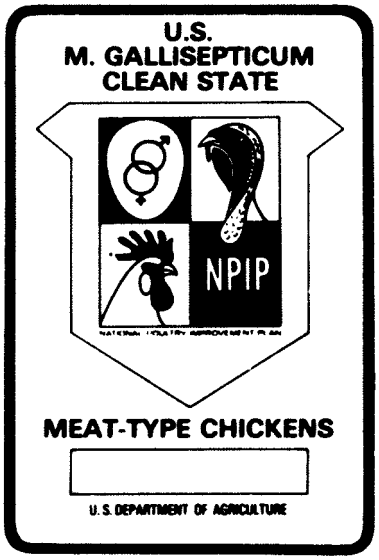

Figure 11

(k) *U.S. Sanitation Monitored, Turkeys.* (See §145.43(f).)

Figure 12

(l) *U.S. S. Enteritidis Monitored.* (See § 145.23(d).)

Figure 13

(m) *U.S. S. Enteritidis Clean.* (See § 145.33(h).)

Figure 14

(n) *U.S. M. Synoviae Clean State, Turkeys.* (See § 145.44(d).)

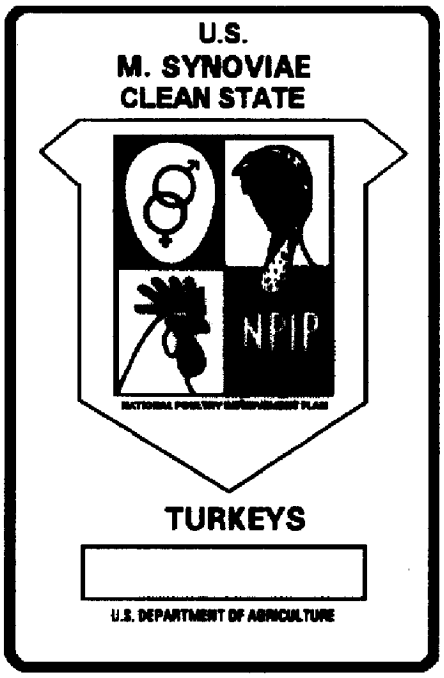

Figure 15

(o) *U.S. Salmonella Monitored.* (See § 145.33(i).)

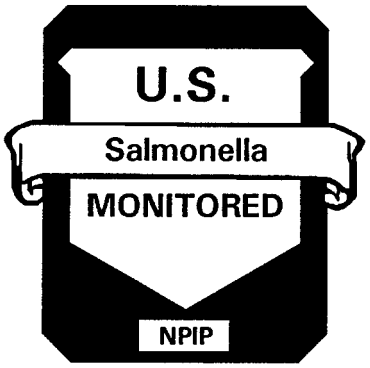

Figure 16

(p) *U.S. M. Gallisepticum Monitored.* (See § 145.33(j).)

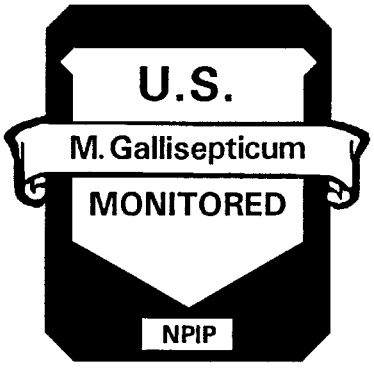

Figure 17

(q) *U.S. M. Synoviae Monitored.* (See § 145.33(k).)

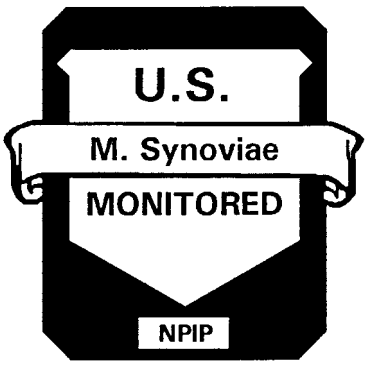

Figure 18

[38 FR 13706, May 24, 1973, as amended at 40 FR 1500, Jan. 8, 1975; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10315, Feb. 15, 1980; 47 FR 21991, May 20, 1982; 50 FR 19898, May 13, 1985; 54 FR 23955, June 5, 1989; 57 FR 57341, Dec. 4, 1992; 59 FR 12798, Mar. 18, 1994; 61 FR 11517, Mar. 21, 1996; 62 FR 44068, Aug. 19, 1997; 63 FR 40010, July 27, 1998]

§ 145.11 Supervision.

(a) The Official State Agency may designate qualified persons as Authorized Agents to do the sample collecting and blood testing provided for in § 145.14 and the selecting required for the U.S. Approved classification provided for in § 145.53(a).

(b) The Official State Agency shall employ or authorize qualified persons as State Inspectors to perform or supervise the performance of the selecting and testing of participating flocks, and to perform the official inspections necessary to verify compliance with the requirements of the Plan.

(c) Authorities issued under the provisions of this section shall be subject to cancellation by the official State agency on the grounds of incompetence or failure to comply with the provisions of the Plan or regulations of the official State agency. Such actions shall not be taken until a thorough investigation has been made by the official State agency and the authorized

person has been given notice of the proposed action and the basis therefor and an opportunity to present his views.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13706, May 24, 1973; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979]

§ 145.12 Inspections.

(a) Each participating hatchery shall be inspected a sufficient number of times each year to satisfy the Official State Agency that the operations of the hatchery are in compliance with the provisions of the Plan.

(b) The records of all flocks maintained primarily for production of hatching eggs shall be examined annually by a State Inspector. Records shall include VS Form 9–2, ''Flock Selecting and Testing Report''; VS Form 9–3, ''Report of Sales of Hatching Eggs, Chicks, and Poults''; set and hatch records; egg receipts; and egg/chick orders or invoices. Records shall be maintained for 3 years. On-site inspections of flocks and premises will be conducted if the State Inspector determines that a breach of sanitation, blood testing, or other provisions has occurred for Plan programs for which the flocks have or are being qualified.

[36 FR 23112, Dec. 3, 1971, as amended at 40 FR 1501, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 54 FR 23955, June 5, 1989; 59 FR 12798, Mar. 18, 1994]

§ 145.13 Debarment from participation.

Participants in the Plan, who after investigation by the Official State Agency or its representative, are notified of their apparent noncompliance with the Plan provisions or regulations of the Official State Agency, shall be afforded a reasonable time, as specified by the Official State Agency, within which to demonstrate or achieve compliance. If compliance is not demonstrated or achieved within the specified time, the Official State Agency may debar the participant from further participation in the Plan for such period, or indefinitely, as the Agency may deem appropriate. The debarred participant shall be afforded notice of the bases for the debarment and opportunity to present his views with respect to the debarment in accordance with procedures adopted by the Official State Agency. The Official State Agency shall thereupon decide whether the debarment order shall continue in effect. Such decision shall be final unless the debarred participant, within 30 days after the issuance of the debarment order, requests the Administrator to determine the eligibility of the debarred participant for participation in the Plan. In such event the Administrator shall determine the matter de novo in accordance with §§ 50.21 through 50.28–14 and §§ 50.30 through 50.33 of the rules of practice in 7 CFR part 50, which are hereby made applicable to proceedings before the Administrator under this section. The definitions in 7 CFR 50.2(e),(g),(h), and (l) and the following definitions shall apply with respect to terms used in such rules of practice:

(a) *Administrator* means the Administrator, Animal and Plant Health Inspection Service of the U.S. Department of Agriculture or any officer or employee to whom authority has heretofore been delegated or to whom authority may hereafter be delegated to act in his stead.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 3038, Feb. 1, 1973. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21991, May 20, 1982]

§ 145.14 Blood testing.

Poultry must be more than 4 months of age when blood tested for an official classification; *Provided,* That turkey candidates may be blood tested at more than 12 weeks of age under subpart D, while game birds may be blood tested under subpart E when more than 4 months of age or upon reaching sexual maturity, whichever comes first, and ostriches blood tested under subpart F must be more than 12 months of age. Blood samples for official tests shall be drawn by an Authorized Agent or State Inspector and tested by an authorized laboratory, except that the stained antigen, rapid whole-blood test for pullorum-typhoid may be conducted by an Authorized Agent or State Inspector. For Plan programs in which a representative sample may be tested in lieu of an entire flock, the minimum number tested shall be 30 birds per house, with at least 1 bird taken from each pen and unit in the house. The

ratio of male to female birds in representative samples of birds from meat-type chicken, waterfowl, exhibition poultry, and game bird flocks must be the same as the ratio of male to female birds in the flock. In houses containing fewer than 30 birds, all birds in the house must be tested.

(a) *For Pullorum-Typhoid.* (1) The official blood tests for pullorum-typhoid shall be the standard tube agglutination test, the microagglutination test, the enzyme-linked immunosorbent assay test (ELISA), or the rapid serum test for all poultry; and the stained antigen, rapid whole-blood test for all poultry except turkeys. The procedures for conducting official blood tests are set forth in §§ 147.1, 147.2, 147.3, and 147.5 of this chapter and referenced in footnote 3 of this section or in literature provided by the producer. Only antigens approved by the Department and of the polyvalent type shall be used for the rapid whole-blood and tube agglutination tests. Each serial of tube antigen shall be submitted by the antigen producer to the Department for approval upon manufacture and once a year thereafter as long as antigen from that serial continues to be made available for use. All microtest antigens and enzyme-linked immunosorbent assay reagents shall also be approved by the Department.[1]

(2) [Reserved]

(3) There shall be an interval of at least 21 days between any official blood test and any previous test with pullorum–typhoid antigen.

(4) [Reserved]

(5) The official blood test shall include the testing of a sample of blood from each bird in the flock: *Provided*, That under specified conditions (see applicable provisions of §§ 145.23, 145.33, 145.43, 145.53 and 145.63) the testing of a portion or sample of the birds may be used in lieu of testing each bird.

(6) When reactors are found in serum or blood from any flock, or *S. pullorum* or *S. gallinarum* organisms are isolated by an authorized laboratory from baby poultry, or from fluff samples produced by hatching eggs, the infected flock shall qualify for participation in the Plan with two consecutive negative results to an official blood test named in paragraph (a)(1) of this section. A succeeding flock must be qualified for participation in the Plan's pullorum-typhoid program with a negative result to an official blood test named in paragraph (a)(1) of this section. Testing to qualify flocks for Plan participation must include the testing of all birds in infected flocks and succeeding flocks for a 12-month period, and shall be performed or physically supervised by a State Inspector; Provided, That at the discretion of the Official State Agency, a sample of at least 500 birds, rather than all birds in the flock, may be tested by the State Inspector if it is agreed upon by the Official State Agency, the flockowner, and the Administrator. If the State Inspector determines that a primary breeding flock has been exposed to *S. pullorum* or *S. gallinarum*,[2] the Official State Agency shall require:

(i) The taking of blood samples—performed by or in the presence of a State Inspector—from all birds on premises exposed to birds, equipment, supplies, or personnel from the primary breeding flock during the period when the State Inspector determined that exposure to *S. pullorum* or *S. gallinarum* occurred.[2]

(ii) The banding of all birds of these premises—performed or physically supervised by a State Inspector—in order to identify any bird that tests positive; and

(iii) The testing of blood samples at an authorized laboratory using an official blood test named in paragraph (a)(1) of this section.

(7) All domesticated fowl, except waterfowl, on the farm of the participant shall either be properly tested to meet the same standards as the participating flock or these birds and their

[1] The criteria and procedures for Department approval of antigens and reagents may be obtained from the Animal and Plant Health Inspection Service, Veterinary Services, Veterinary Biologics, 4700 River Road, Unit 148, Riverdale, Maryland 20737–1237.

[2] In making determinations of exposure, the State Inspector shall evaluate both evidence proving that exposure occurred and circumstances indicating a high probability of contacts with: infected wild birds; contaminated feed or waste; or birds, equipment, supplies, or persons from or exposed to flocks infected with *S. pullorum* or *S. gallinarum*.

eggs shall be separated from the participating flock and its eggs.

(8) All tests for pullorum–typhoid in flocks participating in or candidates for participation in the Plan shall be reported to the Official State Agency within 10 days following the completion of such tests. All reactors shall be considered in determining the classification of the flock.

(9) Poultry from flocks undergoing qualification testing for participation in the Plan, that have a positive reaction to an official blood test named in paragraph (a)(1) of this section, shall be evaluated for pullorum-typhoid infection. The Official State Agency shall select one or more of the following procedures to be used in each circumstance, based on a cost-benefit analysis involving evaluation of such factors as: the value of the reactors and flocks at risk; the necessity for preserving birds from scarce genetic lines; the need for a quick determination of disease existence; and the cost for each retesting option versus the total availability of funds (when the state provides retesting subsidies):

(i) Reactors shall be submitted to an authorized laboratory for bacteriological examination. If there are more than 4 reactors in a flock, a minimum of 4 reactors shall be submitted to the authorized laboratory; if the flock has 4 or fewer reactors, all of the reactors must be submitted. The approved procedure for bacteriological examination is set forth in §147.11 of this chapter. When reactors are submitted to the authorized laboratory within 10 days from the date of reading an official blood test named in paragraph (a)(1) of this section, and the bacteriological examination fails to demonstrate pullorum-typhoid infection, the Official State Agency shall presume that the flock has no pullorum-typhoid reactors.

(ii) The serum specimen that produced the positive reaction shall be retested at an authorized laboratory in accordance with procedures set forth in §147.1 of this chapter for the standard tube agglutination test, or in §147.5 of this chapter for the microagglutination test for pullorum-typhoid. If the reaction to this retest is positive in dilutions of 1:50 or greater for the standard tube agglutination test, or 1:40 or greater for the microagglutination test, additional examination of the bird and flock will be performed in accordance with paragraph (a)(9)(i) or (a)(9)(iii) of this section.

(iii) the reactors shall be retested within 30 days using an official blood test named in paragraph (a)(1) of this section. If this retest is positive, additional examination of the reactors and flock will be performed in accordance with paragraph (a)(9)(i) of this section. During the 30-day period, the flock must be maintained under a security system, specified or approved by the Official State Agency, that will prevent physical contact with other birds and assure that personnel, equipment, and supplies that could be a source of pullorum-typhoid spread are sanitized.

(10) Any drug, for which there is scientific evidence of masking the test reaction or hindering the bacteriological recovery of Salmonella organisms, shall not be fed or administered to poultry within 3 weeks prior to a test or bacteriological examination upon which a Salmonella classification is based.

(11) When suitable evidence, as determined by the Official State Agency or the State Animal Disease Control Official, indicates that baby or started poultry produced by participating hatcheries are infected with organisms for which the parent flock received an official control classification and this evidence indicates that the infection was transmitted from the parent flock, the Official State Agency may, at its discretion, require additional testing of the flock involved. If infection is found in the parent flock, its classification shall be suspended until the flock is requalified under the requirements for the classification. Furthermore, the Official State Agency may require that the hatching eggs from such flocks be removed from the incubator and destroyed prior to hatching. When Salmonella organisms are isolated from a specimen which originated in a participating hatchery, the Official State Agency shall attempt to locate the source of the infection. The results of the investigation and the action taken

to eliminate the infection shall be reported by the Official State Agency to the Service.

(b) *For M. gallisepticum and M. synoviae:* (1) The official blood tests for *M. gallisepticum* and *M. synoviae* shall be the serum plate agglutination test, the tube agglutination test, the hemagglutination inhibition (HI) test, the microhemagglutination inhibition test, the enzyme-linked immunosorbent assay (ELISA) test [3] or a combination of two or more of these tests. The HI test, the microhemagglutination inhibition test, and the ELISA test shall be used to confirm the positive results of other serological tests. HI titers of 1:40 or less may be interpreted as equivocal, and final judgment may be based on further samplings and/or culture of reactors.

(2) The tests shall be conducted using M. gallisepticum or M. synoviae antigens approved by the Department or the Official State Agency and shall be performed in accordance with the recommendations of the producer of the antigen.

(3) When reactors to the test for which the flock was tested are submitted to a laboratory as prescribed by the Official State Agency, the criteria found in §147.6 of this chapter shall be used in determining the final status of the flock.

(4) Any drug, for which there is scientific evidence of masking the test reaction or hindering the bacteriological recovery of mycoplasma organisms, shall not be fed or administered to poultry within three weeks prior to a test or bacteriological examination upon which a Mycoplasma classification is based.

(c) *For M. meleagridis.* The official blood tests for *M. meleagridis* are specified in §145.43(d)(2).

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13706, May 24, 1973; 40 FR 1501, Jan. 8, 1975; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10315, Feb. 15, 1980; 47 FR 21991, May 20, 1982; 48 FR 57473, Dec. 30, 1983; 50 FR 19898, May 13, 1985; 54 FR 23955, June 5, 1989; 57 FR 57341, Dec. 4, 1992; 59 FR 12798, Mar. 18, 1994; 59 FR 67617, Dec. 30, 1994; 61 FR 11519, Mar. 21, 1996; 63 FR 3, Jan. 2, 1998; 63 FR 40010, July 27, 1998]

Subpart B—Special Provisions for Egg Type Chicken Breeding Flocks and Products

§145.21 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Chicks. Newly hatched chickens which have not been fed or watered.

Egg type chicken breeding flocks. Flocks that are composed of stock that has been developed for egg production and are maintained for the principal purpose of producing chicks for the ultimate production of eggs for human consumption.

Started chickens. Young chickens (chicks, pullets, cockerels, capons) which have been fed and watered and are less than 6 months of age.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13707, May 24, 1973; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 59 FR 12798, Mar. 18, 1994]

§145.22 Participation.

Participating flocks of egg type chickens, and the eggs and chicks produced from them, shall comply with the applicable general provisions of subpart A of this part and the special provisions of this subpart B.

[3] Procedures for the enzyme-linked immunosorbent assay (ELISA) test are set forth in the following publications:

A.A. Ansari, R.F. Taylor, T.S. Chang, ''Application of Enzyme-Linked Immunosorbent Assay for Detecting Antibody to Mycoplasma gallisepticum Infections in Poultry,'' *Avian Diseases,* Vol. 27, No. 1, pp. 21–35, January–March 1983; and

H.M. Opitz, J.B. Duplessis, and M.J. Cyr, ''Indirect Micro-Enzyme-Linked Immunosorbent Assay for the Detection of Antibodies to Mycoplasma synoviae and M. gallisepticum,'' *Avian Diseases,* Vol. 27, No. 3, pp. 773–786, July–September 1983; and

H.B. Ortmayer and R. Yamamoto, ''Mycoplasma Meleagridis Antibody Detection by Enzyme-Linked Immunosorbent Assay (ELISA),'' *Proceedings, 30th Western Poultry Disease Conference,* pp. 63–66, March 1981.

(a) The minimum weight of hatching eggs sold shall be 1 11/12 ounces each, except as otherwise specified by the purchaser of the eggs.

(b) Mediterranean breed eggs shall be reasonably free from tints.

(c) Started chickens shall lose their identity under Plan terminology when not maintained by Plan participants under the conditions prescribed in § 145.5(a).

(d) Hatching eggs produced by primary breeding flocks shall be fumigated (see § 147.25 of this chapter) or otherwise sanitized.

[36 FR 23112, Dec. 3, 1971, as amended at 40 FR 1501, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19802, May 10, 1984; 57 FR 57341, Dec. 4, 1992]

§ 145.23 Terminology and classification; flocks and products.

Participating flocks, and the eggs and chicks produced from them, which have met the respective requirements specified in this section may be designated by the following terms and the corresponding designs illustrated in § 145.10:

(a) [Reserved]

(b) *U.S. Pullorum-Typhoid Clean.* A flock in which freedom from pullorum and typhoid has been demonstrated to the official State agency under the criteria in one of the following paragraphs (b)(1) through (5) of this section: *Provided,* That a flock qualifying by means of a blood test shall be tested within the past 12 months, except that the retesting of a participating flock which is retained for more than 12 months shall be conducted a minimum of 4 weeks after the induction of molt. (See § 145.14 relating to the official blood test where applicable.)

(1) It has been officially blood tested with no reactors.

(2) It is a multiplier breeding flock, or a breeding flock composed of progeny of a primary breeding flock which is intended solely for the production of multiplier breeding flocks, and meets the following specifications as determined by the Official State Agency and the Service:

(i) The flock is located in a State where all persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(ii) The flock is composed entirely of birds that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision; and

(iii) The flock is located on a premises where either no poultry or a flock not classified as U.S. Pullorum-Typhoid Clean were located the previous year; *Provided,* That an Authorized Agent must blood test up to 300 birds per flock, as described in § 145.14, if the Official State Agency determines that the flock has been exposed to pullorum-typhoid. In making determinations of exposure and setting the number of birds to be blood tested, the Official State Agency shall evaluate the results of any blood tests, described in § 145.14(a)(1) that were performed on an unclassified flock located on the premises during the previous year; the origins of the unclassified flock; and the probability of contacts between the flock for which qualification is being sought and (a) infected wild birds, (b) contaminated feed or waste, or (c) birds, equipment, supplies, or personnel from flocks infected with pullorum-typhoid.

(3) It is a multiplier breeding flock that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision, and is located in a State in which it has been determined by the Service that: (i) All hatcheries, except turkey hatcheries, within the State are qualified as ''National Plan Hatcheries'' or have met equivalent requirements for pullorum-typhoid control under official supervision;

(ii) All hatchery supply flocks, except turkey flocks, within the State, are qualified as U.S. Pullorum-Typhoid Clean or have met equivalent requirements for pullorum-typhoid control under official supervision: *Provided,* That if other domesticated fowl, except waterfowl, are maintained on the same premises as the participating flock,

freedom from pullorum-typhoid infection shall be demonstrated by an official blood test of each of these fowl;

(iii) All shipments of products other than U.S. Pullorum-Typhoid Clean, or equivalent, into the State are prohibited;

(iv) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(v) All reports of any disease outbreak involving a disease covered under the Plan are promptly followed by an investigation by the Official State Agency to determine the origin of the infection; *Provided,* That if the origin of the infection involves another State, or if there is exposure to poultry in another State from the infected flock, then the National Poultry Improvement Plan will conduct an investigation;

(vi) All flocks found to be infected with pullorum or typhoid are quarantined until marketed or destroyed under the supervision of the Official State Agency, or until subsequently blood tested, following the procedure for reacting flocks as contained in §145.14(a)(5), and all birds fail to demonstrate pullorum or typhoid infection;

(vii) All poultry, including exhibition, exotic, and game birds, but excluding waterfowl, going to public exhibition shall come from U.S. Pullorum-Typhoid Clean or equivalent flocks, or have had a negative pullorum-typhoid test within 90 days of going to public exhibition;

(viii) Discontinuation of any of the conditions or procedures described in paragraphs (b)(3)(i), (ii), (iii), (iv), (v), (vi), and (vii) of this section, or the occurrence of repeated outbreaks of pullorum or typhoid in poultry breeding flocks, other than turkey flocks, within or originating within the State shall be grounds for the Service to revoke its determination that such conditions and procedures have been met or complied with. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity to present its views.

(4) It is a multiplier breeding flock located in a State which has been determined by the Service to be in compliance with the provisions of (b)(3) of this section, and in which pullorum disease or fowl typhoid is not known to exist nor to have existed in hatchery supply flocks, other than turkey, waterfowl, exhibition poultry, and game bird supply flocks, within the State during the preceding 12 months.

(5) It is a primary breeding flock located in a State determined to be in compliance with the provisions of paragraph (b)(4) of this section, and in which a sample of 300 birds from flocks of more than 300, and each bird in flocks of 300 or less, has been officially tested for pullorum-typhoid with no reactors: *Provided,* That a bacteriological examination monitoring program acceptable to the Official State Agency and approved by the Service may be used in lieu of blood testing.

(c) *U.S. M. Gallisepticum Clean.* (1) A flock maintained in compliance with the provisions of §147.26 of this chapter and in which freedom from M. gallisepticum has been demonstrated under the criteria specified in paragraph (c)(1)(i) or (ii) of this section.

(i) It is a flock in which all birds or a sample of at least 300 birds has been tested for *M. gallisepticum* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a minimum of 150 birds shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of less than 150 birds may be tested at any one time, if all pens are equally represented and a total of 150 birds is tested within each 90-day period; or

(ii) It is a multiplier breeding flock which originated as U.S. M. Gallisepticum Clean chicks from primary breeding flocks and from which a sample comprised of a minimum of 150 birds per flock has been tested for *M. gallisepticum* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, 75 birds from the flock shall be tested, *Provided,* that fewer than 75 birds from the flock may be tested at

any one time if all pens are equally represented and a total of at least 75 birds from the flock is tested within each 90-day period; or

(B) At intervals of not more than 30 days, a sample of 25 cull chicks produced from the flock shall be subjected to laboratory procedures acceptable to the Official State Agency and approved by the Service, for the detection and recovery of M. gallisepticum; or

(C) At intervals of not more than 30 days, egg yolk testing shall be conducted in accordance with §147.8 of this chapter.

(2) A participant handling U.S. M. Gallisepticum Clean products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Gallisepticum Clean chicks from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (c)(1)(i) of this section are set.

(3) U.S. M. Gallisepticum Clean chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in §147.24(a) of this chapter.

(d) *U.S. S. enteritidis Monitored.* This program is intended to be the basis from which the breeding-hatching industry may conduct a program for the prevention and control of Salmonellosis. It is intended to reduce the incidence of Salmonella organisms in hatching eggs and chicks through an effective and practical sanitation program at the breeder farm and in the hatchery. This will afford other segments of the poultry industry an opportunity to reduce the incidence of Salmonella in their products.

(1) A flock and the hatching eggs and chicks produced from it which have met the following requirements as determined by the Official State Agency:

(i) The flock originated from a U.S. *S. enteritidis* Monitored flock, or meconium from the chick boxes and a sample of chicks that died within 7 days after hatching are examined bacteriologically for salmonella at an authorized laboratory. Cultures from positive samples shall be serotyped.

(ii) All feed fed to the flock shall meet the following requirements:

(A) Pelletized feed shall contain either no animal protein or only animal protein products produced under the Animal Protein Products Industry (APPI) *Salmonella* Education/Reduction Program. The protein products must have a minimum moisture content of 14.5 percent and must have been heated throughout to a minimum temperature of 190 ° F., or above, or to a minimum temperature of 165 ° F. for at least 20 minutes, or to a minimum temperature of 184 ° F. under 70 lbs. pressure during the manufacturing process.

(B) Mash feed shall contain either no animal protein or only animal protein products supplement manufactured in pellet form and crumbled.

(iii) Feed shall be stored and transported in such a manner as to prevent possible contamination;

(iv) The flock is maintained in compliance with §§147.21, 147.24(a), and 147.26 of this chapter;

(v) Environmental samples shall be collected from the flock by an Authorized Agent, as described in §147.12 of this chapter, when the flock is 2 to 4 weeks of age. The samples shall be examined bacteriologically for group D salmonella at an authorized laboratory. Cultures from positive samples shall be serotyped. The authorized agent shall also collect samples every 30 days after the first sample has been collected.

(vi) A federally licensed *Salmonella enteritidis* bacterin may be used in multiplier breeding flocks that are negative for *Salmonella enteritidis* upon bacteriological examination as described in paragraph (d)(1)(v) of this section: Provided, that a sample of 350 birds, which will be banded for identification, shall remain unvaccinated until the flock reaches at least 4 months of age. Following negative serological and bacteriological examinations as described in paragraph (d)(1)(vii) of this section, the banded, non-vaccinated birds shall be vaccinated.

(vii) Blood samples from 300 non-vaccinated birds as described in paragraph (d)(1)(vi) of this section shall be tested with either pullorum antigen or by a federally licensed Salmonella enteritidis enzyme-linked immunosorbent assay (ELISA) test when the flock is more than 4 months

of age. All birds with positive or inconclusive reactions, up to a maximum of 25 birds, shall be submitted to an authorized laboratory and examined for the presence of group D salmonella, as described in §147.11 of this chapter. Cultures from positive samples shall be serotyped.

(viii) Hatching eggs are collected as quickly as possible and are handled as described in §147.22 of this chapter and are sanitized or fumigated (see §147.25 of this chapter).

(ix) Hatching eggs produced by the flock are incubated in a hatchery that is in compliance with the recommendations in §§147.23 and 147.24(b) of this chapter, and sanitized either by a procedure approved by the Official State Agency or fumigated (see §147.25 of this chapter).

(2) A flock shall not be eligible for this classification if *Salmonella enteritidis* ser *enteritidis* (SE) is isolated from a specimen taken from a bird in the flock. Isolation of SE from an environmental or other specimen, as described in paragraph (d)(1)(v) of this section, will require bacteriological examination for SE in an authorized laboratory, as described in §147.11(a) of this chapter, of a random sample of 60 live birds from a flock of 5,000 birds or more, or 30 live birds from a flock with fewer than 5,000 birds. If only one specimen is found positive for SE, the participant may request bacteriological examination of a second sample, equal in size to the first sample, from the flock. If no SE is recovered from any of the specimens in the second sample, the flock will be eligible for the classification.

(3) A non-vaccinated flock shall be eligible for this classification if *Salmonella enteritidis* (*S. enteritidis* ser Enteritidis) is isolated from an environmental sample collected from the flock in accordance with paragraph (d)(1)(v) of this section: *Provided,* That testing is conducted in accordance with paragraph (d)(1)(vii) of this section each 30 days and no positive samples are found.

(4) In order for a hatchery to sell products of this classification, all products handled shall meet the requirements of the classification.

(5) This classification may be revoked by the Official State Agency if the participant fails to follow recommended corrective measures.

(e) *U.S.M. Synoviae Clean.* (1) A flock maintained in compliance with the provisions of §147.26 of this chapter and in which freedom from M. synoviae has been demonstrated under the criteria specified in paragraph (e)(1)(i) or (ii) of this section.

(i) It is a flock in which a minimum of 300 birds has been tested for *M. synoviae* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a sample of at least 150 birds shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of less than 150 birds may be tested at any one time if all pens are equally represented and a total of 150 birds is tested within each 90-day period; or

(ii) It is a multiplier breeding flock which originated as U.S. M. Synoviae Clean chicks from primary breeding flocks and from which a sample comprised of a minimum of 150 birds has been tested for *M. synoviae* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, 75 birds from the flock shall be tested: *Provided,* That fewer than 75 birds from the flock may be tested at any one time if all pens are equally represented and a total of at least 75 birds from the flock is tested within each 90-day period; or

(B) At intervals of not more than 30 days, egg yolk testing shall be conducted in accordance with §147.8 of this chapter.

(2) A participant handling U.S. M. Synoviae Clean products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Synoviae Clean chicks from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (e)(1)(i) or (ii) of this section are set.

(3) U.S. M. Synoviae Clean chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in § 147.24(a) of this chapter.

(f) *U.S. M. Gallisepticum Clean Started Poultry.* (1) A flock which originated from U.S. M. Gallisepticum Clean breeding flocks and was hatched in a hatchery approved by the Official State Agency for the production of U.S. *M. Gallisepticum* Clean chicks.

(2) All other poultry on the premises of the candidate flock must originate from U.S. M. Gallisepticum Clean sources.

(3) The flock is maintained in compliance with the provisions of § 147.26 of this chapter.

(4) The flock's freedom from *M. Gallisepticum* is demonstrated by a negative blood test, as provided in § 145.14(b), of a sample of 75 birds, with a minimum of 50 birds per poultry house, between 15–20 days prior to the flock being moved to laying quarters.

(5) Started poultry shall be delivered to and from the farm premises in crates and vehicles which have been cleaned and disinfected as described in § 147.24(a) of this chapter.

(g) *U.S. M. Synoviae Clean Started Poultry.* (1) A flock which originated from U.S. M. Synoviae Clean breeding flocks and was hatched in a hatchery approved by the Official State Agency for production of U.S. M. Synoviae Clean chicks.

(2) All other poultry on the premises of the candidate flock must originate from U.S. M. Synoviae Clean sources.

(3) The flock is maintained in compliance with the provisions of § 147.26 of this chapter.

(4) The flocks's freedom from *M. synoviae* is demonstrated by a negative blood test, as provided in § 145.14(b), of a sample of 75 birds, with a minimum of 50 birds per poultry house, between 15–20 days prior to the flock being moved to laying quarters.

(5) Started poultry shall be delivered to and from the farm premises in crates and vehicles which have been cleaned and disinfected as described in § 147.24(a) of this chapter.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13707, May 24, 1973; 40 FR 1501, Jan. 8, 1975; 41 FR 48723, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10315, Feb. 15, 1980; 47 FR 21992, May 20, 1982; 48 FR 57473, Dec. 30, 1983; 49 FR 19802, May 10, 1984; 50 FR 19899, May 13, 1985; 54 FR 23956, June 5, 1989; 57 FR 57341, Dec. 4, 1992; 59 FR 12798, Mar. 18, 1994; 61 FR 11520, Mar. 21, 1996; 62 FR 44068, Aug. 19, 1997; 63 FR 3, Jan. 2, 1998]

§ 145.24 Terminology and classification; States.

(a) *U.S. Pullorum-Typhoid Clean State.* (1) A State will be declared a U.S. Pullorum-Typhoid Clean State when it has been determined by the Service that:

(i) The State is in compliance with the provisions contained in § 145.23(b)(3)(i) through (vii), § 145.33(b)(3)(i) through (vii), § 145.43(b)(3)(i) through (vi), and § 145.53(b)(3)(i) through (vii).

(ii) No pullorum disease or fowl typhoid is known to exist nor to have existed in hatchery supply flocks within the State during the preceding 12 months: *Provided,* That pullorum disease or fowl typhoid found within the preceding 24 months in waterfowl, exhibition poultry, and game bird breeding flocks will not prevent a State, which is otherwise eligible, from qualifying.

(2) Discontinuation of any of the conditions described in paragraph (a)(1)(i) of this section, or repeated outbreaks of pullorum or typhoid occur in hatchery supply flocks described in paragraph (a)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

[40 FR 1502, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 54 FR 23957, June 5, 1989]

Subpart C—Special Provisions for Meat Type Chicken Breeding Flocks and Products

§ 145.31 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Chicks. Newly hatched chickens which have not been fed or watered.

Meat type chicken breeding flocks. Flocks that are composed of stock that has been developed for meat production and are maintained for the principal purpose of producing chicks for the ultimate production of meat.

Started chickens. Young chickens (chicks, pullets, cockerels, capons) which have been fed and watered and are less than 6 months of age.

[36 FR 23112, Dec. 3, 1971, as amended at 41 FR 48724, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 59 FR 12799, Mar. 18, 1994]

§ 145.32 Participation.

Participating flocks of meat type chickens, and the eggs and chicks produced from them, shall comply with the applicable general provisions of subpart A of this part and the special provisions of this subpart C.

(a) The minimum weight of hatching eggs sold shall be $1^{19}/_{12}$ ounces each, except as otherwise specified by the purchaser of the eggs.

(b) Started chickens shall lose their identity under Plan terminology when not maintained by Plan participants under the conditions prescribed in § 145.5(a).

(c) Hatching eggs produced by primary breeding flocks shall be fumigated (see § 147.25 of this chapter) or otherwise sanitized.

[36 FR 23112, Dec. 3, 1971, as amended at 40 FR 1502, Jan. 8, 1975; 41 FR 48724, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19802, May 10, 1984; 57 FR 57341, Dec. 4, 1992]

§ 145.33 Terminology and classification; flocks and products.

Participating flocks, and the eggs and chicks produced from them, which have met the respective requirements specified in this section may be designated by the following terms and the corresponding designs illustrated in § 145.10:

(a) [Reserved]

(b) *U.S. Pullorum-Typhoid Clean.* A flock in which freedom from pullorum and typhoid has been demonstrated to the official State agency under the criteria in one of paragraphs (b)(1) through (5) of this section: *Provided,* That a flock qualifying by means of a blood test shall be tested within the past 12 months, except that the retesting of a participating flock which is retained for more than 12 months shall be conducted a minimum of 4 weeks after the induction of molt. (See § 145.14 relating to the official blood test where applicable.)

(1) It has been officially blood tested with no reactors.

(2) It is a multiplier breeding flock, or a breeding flock composed of progeny of a primary breeding flock which is intended solely for the production of multiplier breeding flocks, and meets the following specifications as determined by the Official State Agency and the Service:

(i) The flock is located in a State where all persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(ii) The flock is composed entirely of birds that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision; and

(iii) The flock is located on a premises where either no poultry or a flock not classified as U.S. Pullorum-Typhoid Clean were located the previous year; *Provided,* That an Authorized Agent must blood test up to 300 birds per flock, as described in § 145.14, if the Official State Agency determines that the flock has been exposed to pullorum-typhoid. In making determinations of exposure and setting the number of birds to be blood tested, the Official State Agency shall evaluate the results of any blood tests, described in § 145.14(a)(1), that were performed on an

unclassified flock located on the premises during the previous year; the origins of the unclassified flock; and the probability of contacts between the flock for which qualification is being sought and (a) infected wild birds, (b) contaminated feed or waste, or (c) birds, equipment, supplies, or personnel from flocks infected with pullorum-typhoid.

(3) It is a multiplier breeding flock that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision, and is located in a State in which it has been determined by the Service that:

(i) All hatcheries, except turkey hatcheries, within the State are qualified as ''National Plan Hatcheries'' or have met equivalent requirements for pullorum-typhoid control under official supervision;

(ii) All hatchery supply flocks, except turkey flocks, within the State, are qualified as U.S. Pullorum-Typhoid Clean or have met equivalent requirements for pullorum-typhoid control under official supervision: *Provided,* That if other domesticated fowl, except waterfowl, are maintained on the same premises as the participating flock, freedom from pullorum-typhoid infection shall be demonstrated by an official blood test of each of these fowl;

(iii) All shipments of products other than U.S. Pullorum-Typhoid Clean, or equivalent, into the State are prohibited;

(iv) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(v) All reports of any disease outbreak involving a disease covered under the Plan are promptly followed by an investigation by the Official State Agency to determine the origin of the infection; *Provided,* That if the origin of the infection involves another State, or if there is exposure to poultry in another State from the infected flock, then the National Poultry Improvement Plan will conduct an investigation;

(vi) All flocks found to be infected with pullorum or typhoid are quarantined until marketed or destroyed under the supervision of the Official State Agency, or until subsequently blood tested following the procedure for reacting flocks as contained in § 145.14(a)(5), and all birds fail to demonstrate pullorum or typhoid infection;

(vii) All poultry, including exhibition, exotic, and game birds, but excluding waterfowl, going to public exhibition shall come from U.S. Pullorum-Typhoid Clean or equivalent flocks, or have had a negative pullorum-typhoid test within 90 days of going to public exhibition;

(viii) Discontinuation of any of the conditions or procedures described in paragraphs (b)(3)(i), (ii), (iii), (iv), (v), (vi), and (vii) of this section, or the occurrence of repeated outbreaks of pullorum or typhoid in poultry breeding flocks, other than turkey flocks, within or originating within the State shall be grounds for the Service to revoke its determination that such conditions and procedures have been met or complied with. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity to present its views.

(4) It is a multiplier breeding flock located in a State which has been determined by the Service to be in compliance with the provisions of paragraph (b)(3) of this section, and in which pullorum disease or fowl typhoid is not known to exist nor to have existed in hatchery supply flocks, other than turkey, waterfowl, exhibition poultry, and game bird supply flocks, within the State during the preceding 12 months.

(5) It is a primary breeding flock located in a State determined to be in compliance with the provisions of paragraph (b)(4) of this section, and in which a sample of 300 birds from flocks of more than 300, and each bird in flocks of 300 or less, has been officially tested for pullorum-typhoid with no reactors: *Provided,* That a bacteriological examination monitoring program acceptable to the Official State Agency and approved by the Service may be used in lieu of blood testing.

(c) *U.S. M. Gallisepticum Clean.* (1) A flock maintained in compliance with the provisions of §147.26 of this chapter and in which freedom from M. gallisepticum has been demonstrated under the criteria specified in paragraph (c)(1)(i) or (ii) of this section.

(i) It is a flock in which all birds or a sample of at least 300 birds has been tested for *M. gallisepticum* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a minimum of 150 birds shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of less than 150 birds may be tested at any one time, if all pens are equally represented and a total 150 birds is tested within each 90-day period; or

(ii) It is a multiplier breeding flock which originated as U.S. M. Gallisepticum Clean chicks from primary breeding flocks and from which a sample comprised of a minimum of 150 birds per flock has been tested for *M. gallisepticum* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, 75 birds from the flock shall be tested, *Provided,* That fewer than 75 birds from the flock may be tested at any one time if all pens are equally represented and a total of at least 75 birds from the flock is tested within each 90-day period; or

(B) At intervals of not more than 30 days, a sample of 25 cull chicks produced from the flock shall be subjected to laboratory procedures acceptable to the Official State Agency and approved by the Service, for the detection and recovery of M. gallisepticum; or

(C) At intervals of not more than 30 days, egg yolk testing shall be conducted in accordance with §147.8 of this chapter.

(2) A participant handling U.S. M. Gallisepticum Clean products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Gallisepticum Clean chicks from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (c)(1)(i) of this section are set.

(3) U.S. M. Gallisepticum Clean chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in §147.24(a) of this chapter.

(4) Before male breeding birds may be added to a participating multiplier breeding flock, a sample of at least 3 percent of the birds to be added, with a minimum of 10 birds per pen, shall be tested for *M. gallisepticum* as provided in §145.14(b) or by a polymerase chain reaction (PCR)-based procedure approved by the Department. The male birds shall be tested no more than 14 days prior to their intended introduction into the flock. If the serologic testing of the birds yields hemagglutination inhibition titers of 1:40 or higher, or if the PCR testing is positive for *M. gallisepticum,* the male birds may not be added to the flock and must be either retested or destroyed.

(d) *U.S. Sanitation Monitored.* This program is intended to be the basis from which the breeding-hatching industry may conduct a program for the prevention and control of Salmonellosis. It is intended to reduce the incidence of Salmonella organisms in hatching eggs and chicks through an effective and practical sanitation program at the breeder farm and in the hatchery. This will afford other segments of the poultry industry an opportunity to reduce the incidence of Salmonella in their products.

(1) A flock and the hatching eggs and chicks produced from it which have met the following requirements as determined by the Official State Agency:

(i) The flock shall originate from a source where sanitation and management practices, as outlined in §145.33(d)(1) of this paragraph, are conducted;

(ii) The flock is maintained in compliance with §§147.21, 147.24(a), and 147.26 of this chapter;

(iii) If pelletized feed contains animal protein, the protein products shall be purchased from participants in the Animal Protein Products Industry (APPI) *Salmonella* Education/Reduction Program or the Fishmeal Inspection Program of the National Marine Fisheries Service. The protein products

must have a minimum moisture content of 14.5 percent and must have been heated throughout to a minimum temperature of 190 ° F. or above, or to a minimum temperature of 165 ° F. for at least 20 minutes, or to a minimum temperature of 184 ° F. under 70 lbs. pressure during the manufacturing process;

(iv) If mash feed contains animal protein, the protein products shall be purchased from participants in the Animal Protein Products Industry (APPI) *Salmonella* Education/Reduction Program or the Fishmeal Inspection Program of the National Marine Fisheries Service;

(v) Feed shall be stored and transported in such a manner as to prevent possible contamination;

(vi) Chicks shall be hatched in a hatchery meeting the requirements of §§ 147.23 and 147.24(b) of this chapter and sanitized or fumigated (see § 147.25 of this chapter);

(vii) An Authorized Agent shall take environmental samples, as described in § 147.12 of this chapter, from each flock at 4 months of age and every 90 days thereafter. An authorized laboratory for *Salmonella* shall examine the environmental samples bacteriologically;

(viii) Owners of flocks found infected with a paratyphoid *Salmonella* may vaccinate these flocks with an autogenous bacterin with a potentiating agent.[4]

(2) The Official State Agency may use the procedures described in § 147.14 of this chapter to monitor the effectiveness of the sanitation practices.

(3) In order for a hatchery to sell products of this classification, all products handled shall meet the requirements of the classification.

(4) This classification may be revoked by the Official State Agency if the participant fails to follow recommended corrective measures.

(e) *U.S. M. Synoviae Clean.* (1) A flock maintained in compliance with the provisions of § 147.26 of this chapter and in which freedom from M. synoviae has been demonstrated under the criteria specified in paragraph (e)(1)(i) or (ii) of this section.

(i) It is a flock in which a minimum of 300 birds has been tested for *M. synoviae* as provided in § 145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a sample of at least 150 birds shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of less than 150 birds may be tested at any one time if all pens are equally represented and a total of 150 birds is tested within each 90-day period; or

(ii) It is a multiplier breeding flock which originated as U.S. M. Synoviae Clean chicks from primary breeding flocks and from which a sample comprised of a minimum of 150 birds has been tested for *M. synoviae* as provided in § 145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, 75 birds from the flock shall be tested: *Provided,* That fewer than 75 birds from the flock may be tested at any one time if all pens are equally represented and a total of at least 75 birds from the flock is tested within each 90-day period; or

(B) At intervals of not more than 30 days, egg yolk testing shall be conducted in accordance with § 147.8 of this chapter.

(2) A participant handling U.S. M. Synoviae Clean products shall keep these products separate from other products in a manner satisfactory to the official State Agency: *Provided,* That U.S. M. Synoviae Clean chicks from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (e)(1)(i) or (ii) of this section are set.

(3) U.S. M. Synoviae Clean chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in § 147.24(a) of this chapter.

(4) Before male breeding birds may be added to a participating multiplier breeding flock, a sample of at least 3 percent of the birds to be added, with a minimum of 10 birds per pen, shall be tested for *M. synoviae* as provided in § 145.14(b) or by a polymerase chain reaction (PCR)-based procedure approved by the Department. The male birds shall be tested no more than 14 days

[4] Preparation and use of this type of vaccine may be regulated by State statutes.

prior to their intended introduction into the flock. If the serologic testing of the birds yields hemagglutination inhibition titers of 1:40 or higher, or if the PCR testing is positive for *M. synoviae*, the male birds may not be added to the flock and must be either retested or destroyed.

(f) *U.S. M. Gallisepticum Clean Started Poultry.* (1) A flock which originated from U.S. M. Gallisepticum Clean breeding flocks and was hatched in a hatchery approved by the Official State Agency for the production of U.S. M. Gallisepticum Clean chicks.

(2) All other poultry on the premises of the candidate flock must originate from U.S. M. Gallisepticum Clean sources.

(3) The flock is maintained in compliance with the provisions of §147.26 of this chapter.

(4) The flock's freedom from *M. gallisepticum* is demonstrated by a negative blood test, as provided in §145.14(b), of a sample of 75 birds, with a minimum of 50 birds per poultry house, between 15–20 days prior to the flock being moved to laying quarters.

(5) Started poultry shall be delivered to and from the farm premises in crates and vehicles which have been cleaned and disinfected as described in §147.24(a) of this chapter.

(g) *U.S. M. Synoviae Clean Started Poultry.* (1) A flock which originated from U.S. M. Synoviae Clean breeding flocks and was hatched in a hatchery approved by the Official State Agency for the production of U.S. M. Synoviae Clean chicks.

(2) All other poultry on the premises of the candidate flock must originate from U.S. M. Synoviae Clean sources.

(3) The flock is maintained in compliance with the provisions of §147.26 of this chapter.

(4) The flock's freedom from *M. synoviae* is demonstrated by a negative blood test, as provided in §145.14(b), of a sample of 75 birds, with a minimum of 50 birds per poultry house, between 15–20 days prior to the flock being moved to laying quarters.

(5) Started poultry shall be delivered to and from the farm premises in crates and vehicles which have been cleaned and disinfected as described in §147.24(a) of this chapter.

(h) *U.S. S. Enteritidis Clean.* This classification is intended for primary meat-type breeders wishing to assure their customers that the chicks produced are certified free of *Salmonella enteritidis.*

(1) A flock and the hatching eggs and chicks produced from it shall be eligible for this classification if they meet the following requirements, as determined by the Official State Agency:

(i) The flock originated from a U.S. S. Enteritidis Clean flock, or meconium from the chicks and a sample of chicks that died within 7 days after hatching have been examined bacteriologically for *S. enteritidis* at an authorized laboratory and any group D salmonella samples have been serotyped.

(ii) All feed fed to the flock meets the following requirements:

(A) Pelletized feed contains either no animal protein or only animal protein products produced under the Animal Protein Products Industry (APPI) Salmonella Education/Reduction Program or the Fishmeal Inspection Program of the National Marine Fisheries Service. The protein products must have a minimum moisture content of 14.5 percent and must have been heated throughout to a minimum temperature of 190 °F, or to a minimum temperature of 165 °F for at least 20 minutes, or to a minimum temperature of 184 °F under 70 lbs. pressure during the manufacturing process;

(B) Mash feed contains either no animal protein or only animal protein product supplements manufactured in pellet form and crumbled; and

(C) All feed is stored and transported in such a manner as to prevent possible contamination.

(iii) The flock is maintained in compliance with §§147.21, 147.24(a), and 147.26 of this chapter.

(iv) Environmental samples, as described in §147.12 of this chapter, are collected from the flock by an Authorized Agent when the flock reaches 4 months of age and every 30 days thereafter. The environmental samples shall be examined bacteriologically for group D salmonella at an authorized laboratory, and cultures from group D positive samples shall be serotyped.

(v) Blood samples from 300 birds from the flock are officially tested with pullorum antigen when the flock is at least 4 months of age. All birds with positive or inconclusive reactions, up to a maximum of 25 birds, shall be submitted to an authorized laboratory and examined for the presence of group D salmonella in accordance with §§ 147.10 and 147.11 of this chapter. Cultures from group D positive samples shall be serotyped.

(vi) Hatching eggs produced by the flock are collected as quickly as possible, are handled as described in § 147.22 of this chapter, and are sanitized or fumigated.

(vii) Hatching eggs produced by the flock are incubated in a hatchery that is in compliance with the recommendations in §§ 147.23 and 147.24(b) of this chapter, and the hatchery must have been sanitized either by a procedure approved by the Official State Agency or by fumigation.

(2) If *Salmonella enteritidis* serotype Enteritidis (SE) is isolated from a specimen taken from a bird in the flock, except as provided in paragraph (h)(3) of this section, the flock shall not be eligible for this classification.

(3) If SE is isolated from an environmental sample collected from the flock in accordance with in paragraph (h)(1)(iv) of this section, 25 randomly selected live birds from the flock must be bacteriologically examined for SE as described in § 147.11 of this chapter. If only one bird from the 25-bird sample is found positive for SE, the participant may request bacteriological examination of a second 25-bird sample from the flock. If no SE is recovered from any of the specimens in the second sample, the flock will be eligible for the classification and will remain eligible for this classification if the flock is tested in accordance with paragraph (h)(1)(v) of this section each 30 days and no positive samples are found.

(4) In order for a hatchery to sell products of this classification, all products handled by the hatchery must meet the requirements of this paragraph.

(5) This classification may be revoked by the Official State Agency if the participant fails to follow recommended corrective measures. The Official State Agency shall not revoke the participant's classification until the participant has been given an opportunity for a hearing in accordance with rules of practice adopted by the Official State Agency.

(i) *U.S. Salmonella Monitored.* This program is intended to be the basis from which the breeding-hatching industry may conduct a program for the prevention and control of Salmonellosis. It is intended to reduce the incidence of Salmonella organisms in hatching eggs and chicks through an effective and practical sanitation program at the breeder farm and in the hatchery. This will afford other segments of the poultry industry an opportunity to reduce the incidence of Salmonella in their products.

(1) A flock and the hatching eggs and chicks produced from it that have met the following requirements, as determined by the Official State Agency:

(i) The flock shall originate from a source where sanitation and management practices, as outlined in § 145.33(d)(1), are conducted;

(ii) The flock is maintained in compliance with §§ 147.21, 147.24(a), and 147.26 of this chapter;

(iii) If feed contains animal protein, the protein products should be purchased from participants in the Animal Protein Products Industry (APPI) Salmonella Education/Reduction Program. The protein products must have a minimum moisture content of 14.5 percent and must have been heated throughout to a minimum temperature of 190 °F or above, or to a minimum temperature of 165 °F for at least 20 minutes, or to a minimum temperature of 184 °F under 70 lbs. pressure during the manufacturing process;

(iv) Feed shall be stored and transported in a manner to prevent possible contamination;

(v) Chicks shall be hatched in a hatchery meeting the requirements of §§ 147.23 and 147.24(b) of this chapter and sanitized or fumigated (see § 147.25 of this chapter).

(vi) An Authorized Agent shall take environmental samples from the hatchery every 30 days; i.e., meconium and chick papers. An authorized laboratory for Salmonella shall examine the samples bacteriologically;

(vii) An Authorized Agent shall take environmental samples as described in §147.12 of this chapter from each flock at 4 months of age and every 30 days thereafter. An authorized laboratory for Salmonella shall examine the environmental samples bacteriologically;

(viii) Owners of flocks may vaccinate with a paratyphoid vaccine: *Provided,* That a sample of 350 birds, which will be banded for identification, shall remain unvaccinated until the flock reaches at least 4 months of age.

(2) The Official State Agency may use the procedures described in §147.14 of this chapter to monitor the effectiveness of the egg sanitation practices.

(3) In order for a hatchery to sell products of this classification, all products handled shall meet the requirements of the classification.

(4) This classification may be revoked by the Official State Agency if the participant fails to follow recommended corrective measures.

(j) *U.S. M. Gallisepticum Monitored.* (1) A multiplier breeding flock in which all birds or a sample of at least 20 birds per house has been tested for *M. gallisepticum* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a minimum of 20 birds per house shall be tested again at 36 to 38 weeks and at 48 to 50 weeks at a minimum: *And provided further,* That each 20-bird sample should come from two locations within the house (10 from the front half of the house and 10 from the back half of the house). A representative sample of males and females should be sampled. The samples shall be marked ''male'' or ''female.''

(2) A participant handling U.S. M. Gallisepticum Monitored products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Gallisepticum Monitored chicks from multiplier breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (j)(1) of this section are set. Eggs from U.S. M. Gallisepticum Monitored multiplier breeding flocks shall not be set in hatchers or incubators in which eggs from U.S. M. Gallisepticum Clean primary breeding flocks qualified under paragraph (c)(1)(i) of this section are set.

(3) U.S. M. Gallisepticum Monitored chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in §147.24(a) of this chapter.

(k) *U.S. M. Synoviae Monitored.* (1) A multiplier breeding flock in which all birds or a sample of at least 20 birds per house has been tested for *M. synoviae* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a minimum of 20 birds per house shall be tested again at 36 to 38 weeks and at 48 to 50 weeks at a minimum: *And provided further,* That each 20-bird sample should come from two locations within the house (10 from the front half of the house and 10 from the back half of the house). A representative sample of males and females should be sampled. The samples shall be marked ''male'' or ''female.''

(2) A participant handling U.S. M. Synoviae Monitored products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Synoviae Monitored chicks from multiplier breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (k)(1) of this section are set. Eggs from U.S. M. Synoviae Monitored multiplier breeding flocks shall not be set in hatchers or incubators in which eggs from U.S. M. Synoviae Clean primary breeding flocks qualified under paragraph (e)(1)(i) of this section are set.

(3) U.S. M. Synoviae Monitored chicks shall be boxed in clean boxes and delivered in trucks that have been

cleaned and disinfected as described in § 147.24(a) of this chapter.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13707, May 24, 1973; 40 FR 1502, Jan. 8, 1975; 41 FR 48724, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10316, Feb. 15, 1980; 47 FR 21992, May 20, 1982; 48 FR 57473, Dec. 30, 1983; 49 FR 19802, May 10, 1984; 50 FR 19899, May 13, 1985; 54 FR 23956, June 5, 1989; 57 FR 57341, Dec. 4, 1992; 59 FR 12799, Mar. 18, 1994; 61 FR 11520, Mar. 21, 1996; 62 FR 44068, Aug. 19, 1997; 62 FR 45289, Aug. 26, 1997; 63 FR 3, Jan. 2, 1997]

§ 145.34 Terminology and classification; States.

(a) *U.S. Pullorum-Typhoid-Clean State.* (1) A State will be declared a U.S. Pullorum-Typhoid Clean State when it has been determined by the Service that:

(i) The State is in compliance with the provisions contained in § 145.23(b)(3)(i) through (vii), § 145.33(b)(3)(i) through (vii), § 145.43(b)(3)(i) through (vi), and § 145.53(b)(3)(i) through (vii).

(ii) No pullorum disease or fowl typhoid is known to exist nor to have existed in hatchery supply flocks within the State during the preceding 12 months: *Provided,* That pullorum disease or fowl typhoid found within the preceding 24 months in waterfowl, exhibition poultry, and game bird breeding flocks will not prevent a State, which is otherwise eligible from qualifying.

(2) Discontinuation of any of the conditions described in paragraph (a)(1)(i) of this section, or repeated outbreaks of pullorum or typhoid occur in hatchery supply flocks described in paragraph (a)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

(b) *U.S. M. Gallisepticum Clean State, Meat-Type Chickens.* (1) A State will be declared a U.S. M. Gallisepticum Clean State, Meat-Type Chickens, when it has been determined by the Service that:

(i) No *M. gallisepticum* is known to exist nor to have existed in meat-type chicken breeding flocks in production within the State during the preceding 12 months;

(ii) All meat-type chicken breeding flocks in production are classified as U.S. M. Gallisepticum Clean or have met equivalent requirements for *M. gallisepticum* control under official supervision;

(iii) All hatcheries within the State which handle products from meat-type chicken breeding flocks only handle products which are classified as U.S. M. Gallisepticum Clean or have met equivalent requirements for *M. gallisepticum* control under official supervision;

(iv) All shipments of products from meat-type chicken breeding flocks other than those classified as U.S. M. Gallisepticum Clean, or equivalent, into the State are prohibited;

(v) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all specimens from chickens from meat-type chicken breeding flocks that have been identified as being infected with *M. gallisepticum*;

(vi) All reports of *M. gallisepticum* infection in chickens from meat-type chicken breeding flocks are promptly followed by an investigation by the Official State Agency to determine the origin of the infection;

(vii) All chickens from meat-type chicken breeding flocks found to be infected with *M. gallisepticum* are quarantined until marketed under supervision of the Official State Agency.

(2) Discontinuation of any of the conditions described in paragraph (b)(1) of this section, or if repeated outbreaks of *M. gallisepticum* occur in meat-type chicken breeding flocks described in paragraph (b)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the

Official State Agency has been given an opportunity for a hearing.

[40 FR 1503, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 50 FR 19899, May 13, 1985; 54 FR 23957, June 5, 1989]

Subpart D—Special Provisions for Turkey Breeding Flocks and Products

§ 145.41 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Poults. Newly hatched turkeys which have not been fed or watered.

[36 FR 23112, Dec. 3, 1971, as amended at 41 FR 48725, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 59 FR 12799, Mar. 18, 1994]

§ 145.42 Participation.

(a) Participating turkey flocks, and the eggs and poults produced from them, shall comply with the applicable general provisions of subpart A of this part and the special provisions of this subpart D.

(b) The minimum weight of turkey hatching eggs shipped interstate shall be 2 ounces each for small varieties and 2½ ounces each for other varieties, unless otherwise specified by the purchaser of the eggs.

(c) Hatching eggs shall be fumigated (see §147.25 of this chapter) or otherwise sanitized.

[36 FR 23112, Dec. 3, 1971, as amended at 38 FR 13707, May 24, 1973; 40 FR 1503, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19802, May 10, 1984; 57 FR 57341, Dec. 4, 1992]

§ 145.43 Terminology and classification; flocks and products.

Participating flocks, and the eggs and poults produced from them, which have met the respective requirements specified in this section may be designated by the following terms and the corresponding designs illustrated in §145.10:

(a) [Reserved]

(b) *U.S. Pullorum-Typhoid Clean.* A flock in which freedom from pullorum and typhoid has been demonstrated to the official State agency under the criteria in one of the following paragraphs (b)(1) through (5) of this section: *Provided,* That a flock qualifying by means of a blood test shall be tested within the past 12 months, except that the retesting of a participating flock which is retained for more than 12 months shall be conducted a minimum of 4 weeks after the induction of molt. (See §145.14 relating to the official blood test where applicable.)

(1) It has been officially blood tested with no reactors.

(2) It is a multiplier breeding flock, or a breeding flock composed of progeny of a primary breeding flock which is intended solely for the production of multiplier breeding flocks, and meets the following specifications as determined by the Official State Agency and the Service:

(i) The flock is located in a State where all persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(ii) The flock is composed entirely of birds that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision; and

(iii) The flock is located on a premises where either no poultry or a flock not classified as U.S. Pullorum-Typhoid Clean were located the previous year; *Provided,* That an Authorized Agent must blood test up to 300 birds per flock, as described in §145.14, if the Official State Agency determines that the flock has been exposed to pullorum-typhoid. In making determinations of exposure and setting the number of birds to be blood tested, the Official State Agency shall evaluate the results of any blood tests, described in §145.14(a)(1), that were performed on an unclassified flock located on the premises during the previous year; the origins of the unclassified flock; and the probability of contacts between the flock for which qualification is being sought and (a) infected wild birds, (b) contaminated feed or waste, or (c) birds, equipment, supplies, or personnel

from flocks infected with pullorum-typhoid.

(3) It is a multiplier breeding flock, or a breeding flock composed of progeny of a primary breeding flock which is intended solely for the production of multiplier breeding flocks, that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision, and is located in a State in which it has been determined by the Service that:

(i) All turkey hatcheries within the State are qualified as ''National Plan Hatcheries'' or have met equivalent requirements for pullorum-typhoid control under official supervision;

(ii) All turkey hatchery supply flocks within the State are qualified as U.S. Pullorum-Typhoid Clean or have met equivalent requirements for pullorum-typhoid control under official supervision: *Provided,* That if other domesticated fowl, except waterfowl, are maintained on the same premises as the participating flock, freedom from pullorum-typhoid infection shall be demonstrated by an official blood test of each of these fowl;

(iii) All shipments of products other than U.S. Pullorum-Typhoid Clean, or equivalent, into the State are prohibited;

(iv) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(v) All reports of any disease outbreak involving a disease covered under the Plan are promptly followed by an investigation by the Official State Agency to determine the origin of the infection; *Provided,* That if the origin of the infection involves another State, or if there is exposure to poultry in another State from the infected flock, then the National Poultry Improvement Plan will conduct an investigation;

(vi) All flocks found to be infected with pullorum or typhoid are quarantined until marketed or destroyed under the supervision of the Official State Agency, or until subsequently blood tested, following the procedure for reacting flocks as contained in § 145.14(a)(5), and all birds fail to demonstrate pullorum or typhoid infection;

(vii) [Reserved]

(viii) Discontinuation of any of the conditions or procedures described in paragraphs (b)(3)(i), (ii), (iii), (iv), (v), and (vi) of this section, or the occurrence of repeated outbreaks of pullorum or typhoid in turkey breeding flocks within or originating within the State shall be grounds for the Service to revoke its determination that such conditions and procedures have been met or complied with. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity to present its views.

(4) It is a multiplier breeding flock located in a State which has been determined by the Service to be in compliance with the provisions of paragraph (b)(3) of this section and in which pullorum disease or fowl typhoid is not known to exist nor to have existed in turkey hatchery supply flocks within the State during the preceding 24 months.

(5) It is a primary breeding flock located in a State determined to be in compliance with the provisions of paragraph (b)(4), of this section and in which a sample of 300 birds from flocks of more than 300, and each bird in flocks of 300 or less, has been officially tested for pullorum-typhoid with no reactors: *Provided,* That a bacteriological examination monitoring program acceptable to the Official State Agency and approved by the Service may be used in lieu of blood testing.

(c) *U.S. M. Gallisepticum Clean.* (1) A flock maintained in accordance with the conditions and procedures described in § 147.26 of this chapter, and in which no reactors are found when a random sample of at least 10 percent of the birds in the flock, or 300 birds in flocks of more than 300 and each bird in flocks of 300 or less, is tested when more than 12 weeks of age, in accordance with the procedures described in § 145.14(b): *Provided,* That to retain this classification, a minimum of 30 samples from male flocks and 60 samples from female flocks shall be retested at

28–30 weeks of age and at 4–6 week intervals thereafter.

(2) A flock qualified as U.S. M. Gallisepticum Clean may retain the classification through its first egg-laying cycle, provided it is maintained in isolation and no evidence of *M. gallisepticum* infection is revealed. A flock which is molted following completion of an egg-laying cycle and subsequently brought back into production, shall be retested within 2 weeks prior to production, as described in paragraph (c)(1) of this section. A State inspector shall visit with the owner or manager of each flock at least once during each laying cycle to discuss and ascertain whether the applicable conditions outlined in §147.26 of this chapter are being met. If a flock proves to be infected with *M. gallisepticum*, it shall lose this classification.

(3) In order to sell hatching eggs or poults of this classification, all hatching eggs and poults handled by the participant must be of this classification.

(d) *U.S. M. Meleagridis Clean.* (1) A flock in which freedom from *M. meleagridis* has been demonstrated under the following criteria:

(i) A sample of 100 birds from each flock has been tested for *M. meleagridis* when more than 12 weeks of age: *Provided,* That to retain this classification, a minimum of 30 samples from male flocks and 60 samples from female flocks shall be retested at 28–30 weeks of age and at 4–6 week intervals thereafter.

(2) The official blood tests for *M. meleagridis* shall be the serum plate agglutination test, the tube agglutination test, or the microagglutination test. The hemagglutination inhibition (HI) test, microhemagglutination inhibition test, serum plate dilution test, microagglutination test and the enzyme-linked immunosorbent assay (ELISA)[5] test may be used as supplemental tests to determine the status of the flock, in accordance with §147.6(b) of this chapter.

(3) The tests shall be conducted using *M. meleagridis* antigens and the protocols for testing approved by the Department or the Official State Agency.

(4) When reactors to the official test are found and can be identified, 10 tracheal swabs and/or vaginal or phallus swabs and their corresponding blood samples shall be submitted to a laboratory for serological and cultural examination. If reactors cannot be identified, at least 30 tracheal swabs and/or vaginal or phallus swabs and their corresponding blood samples shall be submitted. In a flock with a low reactor rate (less than 5 reactors) the reactors may be submitted to the laboratory within 10 days for serology, necropsy, and thorough bacteriological examination.

(5) If a mycoplasma is isolated, the organism must be serotyped. If *M. meleagridis* is isolated, the block shall be considered infected.

(e) *U.S. M. Synoviae Clean.* (1) All birds, or a sample of at least 100 birds from flocks of more than 100 and each bird in flocks of 100 or less, have been tested for *M. synoviae* when more than 12 weeks of age in accordance with the procedures in §145.14(b): *Provided,* That to retain this classification a minimum of 30 samples from male flocks and 60 samples from female flocks shall be retested at 28–30 weeks of age and at 4–6 week intervals thereafter.

(2) When reactors to the official test are found and can be identified, tracheal swabs and their corresponding blood samples from 10 (all if fewer than 10) reacting birds shall be submitted to an authorized laboratory for serological and cultural examination. If reactors cannot be identified, at least 30 tracheal swabs and their corresponding blood samples shall be submitted. In a flock with a low reactor rate (less than five reactors) the reactors may be submitted to the laboratory within 10 days for serology, necropsy, and thorough bacteriological examination. When reactors to the official test are found, the procedures outlined in §147.6 of this chapter will be used to determine the status of the flock.

(3) Flocks located on premises which, during 3 consecutive years, have contained breeding flocks qualified as U.S. M. Synoviae Clean, as described in paragraph (e)(1) above, may qualify for this classification by a negative blood test of at least 100 birds from flocks of more than 100 and each bird in flocks of

[5] See footnote 3 to §145.14(b)(1).

100 or less, when more than 12 weeks of age, and by testing a minimum of 30 samples from male flocks and 60 samples from female flocks at 28–30 weeks of age and at 45 weeks of age.

(f) *U.S. Sanitation Monitored, Turkeys.* A flock or hatchery whose owner is controlling or reducing the level of salmonella through compliance with sanitation and management practices as described in subpart C of part 147 of this chapter, and where the following monitoring, testing, and management practices are conducted:

(1) Hatchery debris (dead germ hatching eggs, fluff, and meconium collected by sexors), a sample of the poults that died within 10 days after hatching, or both, from each candidate breeding flock produced by a primary breeder, are examined bacteriologically at an authorized laboratory for Salmonella.

(2) The poults for the candidate breeding flock are placed in a building that has been cleaned, disinfected, and examined bacteriologically for the presence of Salmonella by an Authorized Agent, as described in §147.12 of this chapter.

(3) Feed for turkeys in the candidate breeding flock shall meet the following requirements:

(i) All feed manufactured in pellet form must contain a minimum moisture content of 14.5 percent and must have been heated throughout to a minimum temperature of 190 ° F. or above, or to a minimum temperature of 165 ° F. for at least 20 minutes, or to a minimum temperature of 184 ° F. under 70 lbs. pressure during the manufacturing process.

(ii) Initial feed (for newborn poults to 2 weeks of age) shall be manufactured in pellet form, either with no animal protein or with animal protein products produced under the Animal Protein Products Industry (APPI) *Salmonella* Education/Reduction Program or the Fishmeal Inspection Program of the National Marine Fisheries Service.

(iii) Succeeding feed (for turkeys 2 weeks or older) shall be as described in (f)(3)(ii) of this section, mash that contains no animal protein products, or mash that contains an animal protein products supplement that has been manufactured in pellet form and crumbled.

(4) Environmental samples shall be taken by an Authorized Agent, as described in §147.12 of this chapter, from each flock at 12–20 weeks of age and examined bacteriologically at an authorized laboratory for Salmonella.

(5) Owners of flocks found infected with a paratyphoid Salmonella may vaccinate these flocks with an autogenous bacterin with a potentiating agent.[6]

(6) Environmental samples shall be taken by an Authorized Agent, as described in §147.12 of this chapter, from each flock at 35–50 weeks of age and from each molted flock at midlay, and examined bacteriologically at an authorized laboratory for Salmonella.

(7) Hatchery debris (dead germ hatching eggs, fluff, and meconium collected by sexors), a sample of the poults that died within 10 days after hatching, or both shall be cultured from poults produced from hatching eggs from each flock, as a means of evaluating the effectiveness of the control procedures.

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[36 FR 23112, Dec. 3, 1971]

EDITORIAL NOTE: For Federal Register citations affecting §145.43, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§145.44 Terminology and classification; States.

(a) *U.S. Pullorum-Typhoid Clean State.* (1) A State will be declared a U.S. Pullorum-Typhoid Clean State when it has been determined by the Service that:

(i) The State is in compliance with the provisions contained in §145.23(b)(3)(i) through (vii), §145.33(b)(3)(i) through (vii), §145.43(b)(3)(i) through (vi), and §145.53(b)(3)(i) through (vii).

(ii) No pullorum disease or fowl typhoid is known to exist nor to have existed in hatchery supply flocks within the State during the preceding 12 months: *Provided,* That pullorum disease or fowl typhoid found within the preceding 24 months in waterfowl, exhibition poultry, and game bird breeding flocks will not prevent a State, which is otherwise eligible, from qualifying.

[6] Preparation and use of this type of vaccine may be regulated by state statutes.

(2) Discontinuation of any of the conditions described in paragraph (a)(1)(i) of this section, or repeated outbreaks of pullorum or typhoid occur in hatchery supply flocks described in paragraph (a)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

(b) *U.S. Pullorum-Typhoid Clean State, Turkeys.* (1) A State will be declared a U.S. Pullorum-Typhoid Clean State, Turkeys, when it has been determined by the Service that:

(i) The State is in compliance with the provisions contained in § 145.43(b)(3)(i) through (vi).

(ii) No pullorum disease or fowl typhoid is known to exist nor to have existed in turkey hatchery supply flocks within the State during the preceding 24 months.

(2) Discontinuation of any of the conditions described in paragraph (b)(1)(i) of this section, or repeated outbreaks of pullorum or typhoid occur in hatchery supply flocks described in paragraph (b)(1)(ii) of this section, or if an infection spreads from the originating premises, Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

(c) *U.S. M. Gallisepticum Clean State, Turkeys.* (1) A State will be declared a U.S. M. Gallisepticum Clean State, Turkeys when it has been determined by the Service that:

(i) No M. gallisepticum is known to exist nor to have existed in turkey breeding flocks in production within the State during the preceding 12 months.

(ii) All turkey breeding flocks in production are classified as U.S. M. Gallisepticum Clean or have met equivalent requirements for M. gallisepticum control under official supervision.

(iii) All turkey hatcheries within the State handle products which are classified as U.S. M. Gallisepticum Clean or have met equivalent requirements for M. gallisepticum control under official supervision.

(iv) All shipments of turkey products other than those classified as U.S. M. Gallisepticum Clean, or equivalent, into the State are prohibited.

(v) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all turkey specimens that have been identified as being infected with M. gallisepticum.

(vi) All reports of M. gallisepticum infection in turkeys are promptly followed by an investigation by the Official State Agency to determine the origin of the infection.

(vii) All turkey flocks found to be infected with M. gallisepticum are quarantined until marketed under supervision of the Official State Agency.

(2) Discontinuation of any of the conditions described in paragraph (c)(1) of this section, or if repeated outbreaks of M. gallisepticum occur in turkey breeding flocks described in paragraph (c)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

(3) If a State retains this status for 2 or more years, individual breeding flocks in the State may qualify for an *M. gallisepticum* classification based on a negative test of a sample of 100 birds.

(d) *U.S. M. Synoviae Clean State, Turkeys.* (1) A State will be declared a U.S. M. Synoviae Clean State, Turkeys, if the Service determines that:

(i) No *Mycoplasma synoviae* is known to exist nor to have existed in turkey breeding flocks in production within the State during the preceding 12 months;

(ii) All turkey breeding flocks in production are tested and classified as U.S. M. Synoviae Clean or have met equivalent requirements for *M.*

synoviae control under official supervision;

(iii) All turkey hatcheries within the State only handle products that are classified as U.S. M. Synoviae Clean or have met equivalent requirements for *M. synoviae* control under official supervision;

(iv) All shipments of products from turkey breeding flocks other than those classified as U.S. M. Synoviae Clean, or equivalent, into the State are prohibited;

(v) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all turkey specimens that have been identified as being infected with *M. synoviae;*

(vi) All reports of *M. synoviae* infection in turkeys are promptly followed by an investigation by the Official State Agency to determine the origin of the infection; and

(vii) All turkey breeding flocks found to be infected with *M. synoviae* are quarantined until marketed under supervision of the Official State Agency.

(2) The Service may revoke the State's classification as a U.S. M. Synoviae Clean State, Turkeys, if any of the conditions described in paragraph (d)(1) of this section are discontinued. The Service shall not revoke the State's classification as a U.S. M. Synoviae Clean State, Turkeys, until it has conducted an investigation and the Official State Agency has been given an opportunity for a hearing in accordance with rules of practice adopted by the Administrator of the Service.

(Approved by the Office of Management and Budget under control number 0579–0007)

[40 FR 1503, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10316, Feb. 15, 1980; 48 FR 57473, Dec. 30, 1983; 49 FR 19803, May 10, 1984; 54 FR 23957, June 5, 1989; 61 FR 11521, Mar. 21, 1996]

Subpart E—Special Provisions for Waterfowl, Exhibition Poultry, and Game Bird Breeding Flocks and Products

§ 145.51 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Exhibition Poultry. Domesticated fowl which are bred for the combined purposes of meat or egg production and competitive showing.

Game birds. Domesticated fowl such as pheasants, partridge, quail, grouse, and guineas, but not doves and pigeons.

Waterfowl. Domesticated fowl that normally swim, such as ducks and geese.

[36 FR 23112, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 59 FR 12799, Mar. 18, 1994]

§ 145.52 Participation.

Participating flocks of waterfowl, exhibition poultry, and game birds, and the eggs and baby poultry produced from them shall comply with the applicable general provisions of subpart A of this part and the special provisions of this subpart E.

(a) Started poultry shall lose their identity under Plan terminology when not maintained by Plan participants under the conditions prescribed in § 145.5(a).

(b) Hatching eggs produced by primary breeding flocks shall be fumigated (see § 147.25 of this chapter) or otherwise sanitized.

(c) Subject to the approval of the Service and the Official State Agencies in the importing and exporting States, participating flocks may report poultry sales to importing States by using printouts of computerized monthly shipping and receiving reports in lieu of VS Form 9–3, ''Report of Sales of Hatching Eggs, Chicks, and Poults.''

[36 FR 23112, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19803, May 10, 1984; 57 FR 57341, Dec. 4, 1992; 61 FR 11521, Mar. 21, 1996]

§ 145.53 Terminology and classification; flocks and products.

Participating flocks, and the eggs and baby poultry produced from them, which have met the respective requirements specified in this section may be designated by the following terms and the corresponding designs illustrated in § 145.10.

(a) *U.S. Approved.* All birds in the breeding flock observed by Authorized Agents or State Inspectors are found to

conform with the criteria for the breed represented, as contained in the Standard of Perfection[7] or the breeder's specifications for the stock represented in the flock, and such specifications are on file with the Official State Agency.

(b) *U.S. Pullorum-Typhoid Clean.* A flock in which freedom from pullorum and typhoid has been demonstrated to the Official State Agency under the criteria in one of the following paragraphs (b)(1) through (5) of this section (See §145.14 relating to the official blood test where applicable.):

(1) It has been officially blood tested within the past 12 months with no reactors.

(2) It is a multiplier breeding flock, or a breeding flock composed of progeny of a primary breeding flock which is intended solely for the production of multiplier breeding flocks, and meets the following specifications as determined by the Official State Agency and the Service:

(i) The flock is located in a State where all persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(ii) The flock is composed entirely of birds that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision; and

(iii) The flock is located on a premises where either no poultry or a flock not classified as U.S. Pullorum-Typhoid Clean were located the previous year; *Provided,* That an Authorized Agent must blood test up to 300 birds per flock, as described in §145.14, if the Official State Agency determines that the flock has been exposed to pullorum-typhoid. In making determinations of exposure and setting the number of birds to be blood tested, the Official State Agency shall evaluate the results of any blood tests, described in §145.14(a)(1), that were performed on an unclassified flock located on the premises during the previous year; the origins of the unclassified flock; and the probability of contacts between the flock for which qualification is being sought and (a) infected wild birds, (b) contaminated feed or waste, or (c) birds, equipment, supplies, or personnel from flocks infected with pullorum-typhoid.

(3) It is a multiplier breeding flock that originated from U.S. Pullorum-Typhoid Clean breeding flocks or from flocks that met equivalent requirements under official supervision, and is located in a State in which it has been determined by the Service that:

(i) All hatcheries, except turkey hatcheries, within the State are qualified as ''National Plan Hatcheries'' or have met equivalent requirements for pullorum-typhoid control under official supervision;

(ii) All hatchery supply flocks, except turkey flocks, within the State, are qualified as U.S. Pullorum-Typhoid Clean or have met equivalent requirements for pullorum-typhoid control under official supervision: *Provided,* That if other domesticated fowl, except waterfowl, are maintained on the same premises as the participating flock, freedom from pullorum-typhoid infection shall be demonstrated by an official blood test of each of these fowl;

(iii) All shipments of products other than U.S. Pullorum-Typhoid Clean, or equivalent, into the State are prohibited;

(iv) All persons performing poultry disease diagnostic services within the State are required to report to the Official State Agency within 48 hours the source of all poultry specimens from which S. pullorum or S. gallinarum is isolated;

(v) All reports of any disease outbreak involving a disease covered under the Plan are promptly followed by an investigation by the Official State Agency to determine the origin of the infection; *Provided,* That if the origin of the infection involves another State, or if there is exposure to poultry in another State from the infected flock, then the National Poultry Improvement Plan will conduct an investigation;

[7] Published by the American Poultry Association, Inc.

(vi) All flocks found to be infected with pullorum or typhoid are quarantined until marketed or destroyed under the supervision of the Official State Agency, or until subsequently blood tested, following the procedure for reacting flocks as contained in § 145.14(a)(5), and all birds fail to demonstrate pullorum or typhoid infection;

(vii) All poultry, including exhibition, exotic, and game birds, but excluding waterfowl, going to public exhibition shall come from U.S. Pullorum-Typhoid Clean or equivalent flocks, or have had a negative pullorum-typhoid test within 90 days of going to public exhibition;

(viii) Discontinuation of any of the conditions or procedures described in paragraphs (b)(3)(i), (ii), (iii), (iv), (v), (vi), and (vii) of this section, or the occurrence of repeated outbreaks of pullorum or typhoid in poultry breeding flocks, other than turkey flocks, within or originating within the State shall be grounds for the Service to revoke its determination that such conditions and procedures have been met or complied with. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity to present its views.

(4) It is a multiplier breeding flock located in a State which has been determined by the Service to be in compliance with the provisions of paragraph (b)(3) of this section, and in which pullorum disease or fowl typhoid is not known to exist nor to have existed in hatchery supply flocks, other than turkey flocks, within the State during the preceding 24 months.

(5) It is a primary breeding flock located in a State determined to be in compliance with the provisions of paragraph (b)(4) of this section, and in which a sample of 300 birds from flocks of more than 300, and each bird in flocks of 300 or less, has been officially tested for pullorum-typhoid within the past 12 months with no reactors: *Provided,* That a bacteriological examination monitoring program or serological examination monitoring program for game birds acceptable to the Official State Agency and approved by the Service may be used in lieu of annual blood testing: *And Provided further,* That when a flock is a waterfowl or exhibition poultry primary breeding flock located in a State which has been deemed to be a U.S. Pullorum-Typhoid Clean State for the past three years, and during which time no isolation of pullorum or typhoid has been made that can be traced to a source in that State, a bacteriological examination monitoring program or a serological examination monitoring program acceptable to the Official State Agency and approved by the Service may be used in lieu of annual blood testing.

(c) *U.S. M. Gallisepticum Clean.* (1) A flock maintained in compliance with the provisions of § 147 .26 of this chapter and in which freedom from M. gallisepticum has been demonstrated under the criteria specified in paragraph (c)(1)(i) or (ii) of this section.

(i) It is a flock in which all birds or a sample of at least 300 birds has been tested for *M. gallisepticum* as provided in § 145.14(b) when more than 4 months of age or upon reaching sexual maturity: *Provided,* That to retain this classification, a random sample of serum or egg yolk from at least 5 percent of the birds in the flock, but at least 30 birds, shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of less than 5 percent may be tested at any one time, with the approval of the Official State Agency and the concurrence of the Service, provided that a total of at least 5 percent of the birds in the flock, but at least 30 birds, is tested within each 90–day period; or

(ii) It is a multiplier breeding flock which originated as U.S. M. Gallisepticum Clean baby poultry from primary breeding flocks and a random sample comprised of 50 percent of the birds in the flock, with a maximum of 200 birds and a minimum of 30 birds per flock, has been tested for M. gallisepticum as provided in § 145.14(b) when more than 4 months of age or upon reaching sexual maturity: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, a random sample of serum or egg yolk from at least 2 percent of the birds in the flock, with a minimum of 30 birds per pen, shall be tested; or

(B) At intervals of not more than 30 days, a sample of 25 cull baby poultry produced from the flock shall be subjected to laboratory procedures acceptable to the Official State Agency and approved by the Service, for the detection and recovery of M. gallisepticum.

(2) A participant handling U.S. M. Gallisepticum Clean products shall keep these products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Gallisepticum Clean baby poultry from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (c)(1)(i) of this section are set.

(3) U.S. M. Gallisepticum Clean baby poultry shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in §147.24(a) of this chapter.

(d) *U.S. M. Synoviae Clean.* (1) A flock maintained in compliance with the provisions of §147.26 of this chapter and in which freedom from *Mycoplasma synoviae* has been demonstrated under the criteria specified in paragraph (d)(1)(i) or (d)(1)(ii) of this section.

(i) It is a flock in which a minimum of 300 birds has been tested for *M. synoviae* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, a sample of at least 150 birds shall be tested at intervals of not more than 90 days: *And provided further,* That a sample comprised of fewer than 150 birds may be tested at any one time with the approval of the Official State Agency and the concurrence of the Service, provided that a minimum of 150 birds is tested within each 90-day period; or

(ii) It is a multiplier breeding flock that originated as U.S. M. Synoviae Clean chicks from primary breeding flocks and from which a sample comprised of a minimum of 75 birds has been tested for *M. synoviae* as provided in §145.14(b) when more than 4 months of age: *Provided,* That to retain this classification, the flock shall be subjected to one of the following procedures:

(A) At intervals of not more than 90 days, a sample of 50 birds shall be tested: *Provided,* That a sample of fewer than 50 birds may be tested at any one time, provided that a minimum of 30 birds per flock with a minimum of 15 birds per pen, whichever is greater, is tested each time and a total of at least 50 birds is tested within each 90-day period; or

(B) At intervals of not more than 30 days, egg yolk testing shall be conducted in accordance with §147.8 of this chapter.

(2) A participant handling U.S. M. Synoviae Clean products shall keep those products separate from other products in a manner satisfactory to the Official State Agency: *Provided,* That U.S. M. Synoviae Clean chicks from primary breeding flocks shall be produced in incubators and hatchers in which only eggs from flocks qualified under paragraph (d)(1)(i) or (d)(1)(ii) of this section are set.

(3) U.S. M. Synoviae Clean chicks shall be boxed in clean boxes and delivered in trucks that have been cleaned and disinfected as described in §147.24(a) of this chapter.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23112, Dec. 3, 1971, as amended at 40 FR 1503, Jan. 8, 1975; 41 FR 48725, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21993, May 29, 1982; 48 FR 57473, Dec. 30, 1983; 50 FR 19900, May 13, 1985; 54 FR 23956, 23957, June 5, 1989; 57 FR 57342, Dec. 4, 1992; 59 FR 12799, Mar. 18, 1994; 62 FR 44070, Aug. 19, 1997; 63 FR 3, Jan. 2, 1998]

§145.54 Terminology and classification; States.

(a) *U.S. Pullorum-Typhoid Clean State.* (1) A State will be declared a U.S. Pullorum-Typhoid Clean State when it has been determined by the Service that:

(i) The State is in compliance with the provisions contained in §145.23(b)(3)(i) through (vii), §145.33(b)(3)(i) through (vii), §145.43(b)(3)(i) through (vi), and §145.53(b)(3)(i) through (vii).

(ii) No pullorum disease or fowl typhoid is known to exist nor to have existed in hatchery supply flocks within the State during the preceding 12 months: *Provided,* That pullorum disease or fowl typhoid found within the preceding 24 months in waterfowl, exhibition poultry, and game bird breeding flocks will not prevent a State, which is otherwise eligible, from qualifying.

(2) Discontinuation of any of the conditions described in paragraph (a)(1)(i) of this section, or repeated outbreaks of pullorum or typhoid occur in hatchery supply flocks described in paragraph(a)(1)(ii) of this section, or if an infection spreads from the originating premises, the Service shall have grounds to revoke its determination that the State is entitled to this classification. Such action shall not be taken until a thorough investigation has been made by the Service and the Official State Agency has been given an opportunity for a hearing.

[40 FR 1504, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 54 FR 23957, June 5, 1989]

Subpart F—Special Provisions for Ostrich Breeding Flocks and Products

SOURCE: 63 FR 40010, July 27, 1998, unless otherwise noted.

§ 145.61 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Ostrich. Birds of the species *Struthio camelus,* including all subspecies and subspecies hybrids.

§ 145.62 Participation.

Participating flocks of ostriches, and the eggs and chicks produced from them, shall comply with the applicable general provisions of subpart A of this part and the special provisions of this subpart.

(a) Started poultry shall lose their identity under Plan terminology when not maintained by Plan participants under the conditions prescribed in § 145.5(a).

(b) Hatching eggs produced by primary breeding flocks shall be fumigated or otherwise sanitized (see § 147.22 of this chapter).

§ 145.63 Terminology and classification; flocks and products.

Participating flocks, and the eggs and baby poultry produced from them, that have met the respective requirements specified in this section may be designated by the following terms and their corresponding designs illustrated in § 145.10.

(a) *U.S. Pullorum-Typhoid Clean.* A flock in which freedom from pullorum and typhoid has been demonstrated to the Official State Agency under the criteria in paragraph (a)(1) or (a)(2) of this section. (See § 145.14(a) relating to the official blood test for pullorum-typhoid where applicable.)

(1) It has been officially blood tested within the past 12 months with no reactors.

(2) It is a multiplier or primary breeding flock in which a sample of each bird in flocks of 30 or fewer birds, a minimum of 30 birds from flocks up to 300 birds, or 10 percent of all birds from flocks exceeding 300 birds has been officially tested for pullorum-typhoid within the past 12 months with no reactors: *Provided,* That a bacteriological examination monitoring program for ostriches acceptable to the Official State Agency and approved by the Service may be used in lieu of annual blood testing: *And provided further,* That when a flock is a multiplier breeding flock located in a State which has been deemed to be a U.S. Pullorum-Typhoid Clean State for the past 3 years, and during which time no isolation of pullorum or typhoid has been made that can be traced to a source in that State, a bacteriological examination monitoring program or a serological examination monitoring program acceptable to the Official State Agency and approved by the Service may be used in lieu of annual blood testing.

(b) [Reserved]

PART 146 [RESERVED]

PART 147—AUXILIARY PROVISIONS ON NATIONAL POULTRY IMPROVEMENT PLAN

Subpart A—Blood Testing Procedures

Sec.

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AUTHORITY: 7 U.S.C. 429; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 36 FR 23121, Dec. 3, 1971, unless otherwise noted. Redesignated at 44 FR 61586, Oct. 26, 1979.

Subpart A—Blood Testing Procedures

§ 147.1 The standard tube agglutination test.[1]

(a) The blood samples should be collected and delivered as follows:

(1) The blood samples should be taken by properly qualified and authorized persons only, and in containers provided by the laboratory. The containers should be stout-walled test tubes, preferably ⅜ by 3 inches, without lip, or small well-selected medicine vials, which have been thoroughly cleaned and dried in a hot-air drying oven. If stoppers are used, they should be thoroughly cleaned and dried.

(2) Sufficient blood should be procured by making a small incision in the large median wing vein with a small sharp lancet and allowing the blood to run into the tube, or by the use of a small syringe (with 20 or 21 gage needle) which is properly cleansed between bleedings with physiological saline solution. To facilitate the separation of the serum, the tubes should be placed in a slanted position until the blood has solidified. After the blood has completely clotted, they should be packed and shipped by mail (special delivery), rapid express, or by messenger, to the laboratory. All labeling must be clear and permanent, and may be done with a suitable pencil on etched portions of the tube, or by means of fastgum labels.

(3) The blood samples must reach the laboratory in a fresh and unhemolyzed condition. Hemolyzed samples should be rejected. It is imperative, therefore,

[1] The procedure described is a modification of the method reported in the Proceedings of the U.S. Live Stock Sanitary Association, November 30 to December 2, 1932, pp. 487 to 491.

to cool the tubes immediately after slanting and clotting, and unless they reach the laboratory within a few hours, to pack them with ice in special containers, or use some other cooling system which will insure their preservation during transportation. In severe cold seasons, extreme precautions must be exercised to prevent freezing and consequent laking. The samples must be placed in cold (5° to 10° C.) storage, immediately upon arrival at the laboratory.

(b) The antigen shall consist of representative strains of S. pullorum which are of known antigenic composition, high agglutinability, but are not sensitive to negative and nonspecific sera. The stock cultures may be maintained satisfactorily by transferring to new sloped agar at least once a month and keeping at 18° to 25° C. (average room temperature) in a dark closet or chest, following incubation for from 24 to 36 hours at 37° C. The antigenic composition and purity of the stock cultures should be checked consistently.

(c) A medium which has been used satisfactorily has the following composition:

Water	1,000 cc.
Difco beef extract	4 gm. (0.4 percent).
Difco Bacto-peptone	10 gm. (1.0 percent).
Difco dry-granular agar.	20 gm. (2.0 percent).
Reaction—pH 6.8 to 7.2.	

(d) Large 1–inch test tubes, Kolle flasks, or Blake bottles should be streaked liberally over the entire agar surface with inoculum from 48–hour slant agar cultures prepared from the stock cultures of the selected strains. The antigen-growing tubes or bottles should be incubated 48 hours at 37° C., and the surface growth washed off with sufficient phenolized (0.5 percent) saline (0.85 percent) solution to make a heavy suspension. The suspension should be filtered free of clumps through a thin layer of absorbent cotton in a Buchner funnel with the aid of suction. The antigens of the separate strains should be combined in equal volume-density and stored in the refrigerator (5° to 10° C.) in tightly stoppered bottles.

(e) Thiosulfate-Glycerin (TG) medium may be used as an alternate medium for the preparation of tube agglutination antigen. The TG medium, formerly used for the preparation of stained, whole-blood antigen, is described in more detail in the article by A. D. MacDonald, Recent Developments in Pullorum Antigen for the Rapid, Whole-Blood Test, Report of the Conference of the National Poultry Improvement Plan, pages 122–127, 1941. This medium provides a tube antigen of excellent specificity and greatly increases the yield of antigen from a given amount of medium. The TG medium has the following composition:

Beef infusion	1,000 cc.
Difco Bacto-peptone	20 gm. (2.0 percent).
Sodium thiosulfate	5 gm. (0.5 percent).
Ammonium chloride	5 gm. (0.5 percent).
Glycerin, U.S.P. (95 percent)	20 cc. (2.0 percent).
Difco dry-granular agar.	30 gm. (3.0 percent).
Reaction—pH 6.8 to 7.2.	

Large 1–inch test tubes, Kolle flasks, Blake bottles, or Erlenmeyer flasks should be seeded over the entire agar surface with inoculum from 24–hour beef infusion broth cultures prepared from the stock cultures of the selected strains. The antigen-growing tubes or bottles should be incubated 96 hours at 37° C., and the surface growth washed off with sufficient phenolized (0.5 percent) saline (0.85 percent) solution to make a heavy suspension. The suspension should be filtered free of clumps through a thin layer of absorbent cotton in a Buchner funnel with the aid of suction. The antigen then should be centrifuged. The mass of bacteria should be removed from the centrifuge tubes or bowl and resuspended in saline (0.85 percent) solution containing 0.5 percent phenol. After the bacterial mass has been uniformly suspended in the diluent, it should be again passed through a cotton pad in a Buchner funnel without the aid of suction. The antigens of the separate strains should be combined in equal volume-density and stored in the refrigerator (5° to 10° C.) in tightly stoppered bottles.

(f) The diluted antigen to be used in the routine testing should be prepared from the stock antigen by dilution of the latter with physiological (0.85 percent) saline solution containing 0.25 percent of phenol to a turbidity corresponding to 0.75–1.00 on the McFarland nephelometer scale. The hydrogen-ion concentration of the diluted antigen should be corrected to pH 8.2 to 8.5 by the addition of dilute sodium hydroxide. New diluted antigen should be

prepared each day and kept cold. The diluted antigen may be employed in 2 cc. quantities in 4 by ½–inch test tubes, or 1 cc. quantities in smaller tubes, in which the final serum-antigen mixtures are made and incubated. The distribution of the antigen in the tubes may be accomplished by the use of long burettes, or special filling devices made for the purpose.

(g) The maximum serum dilution employed must not exceed 1:50 for chickens, nor 1:25 for turkeys. The available data indicate that 1:25 dilution is the most efficient. In all official reports on the blood test, the serum dilutions shall be indicated. The sera should be introduced into the agglutination tubes in the desired amounts with well-cleaned serological pipettes or special serum-delivery devices which do not permit the mixing of different sera. The antigen and serum should be well mixed before incubation. The serum and antigen mixture must be incubated for at least 20 hours at 37° C.

(h) The results shall be recorded as:

N, or − (negative) when the serum-antigen mixture remains uniformly turbid.

P, or + (positive) when there is a distinct clumping of the antigen, and the liquid between the agglutinated particles is clear.

S, or ? (suspicious) when the agglutination is only partial or incomplete.

M, or missing, when samples listed on the original record sheet are missing.

H, or hemolyzed, when blood samples are hemolyzed and cannot be tested.

B, or broken, when sample tubes are broken and no serum can be obtained.

(Some allowance must always be made for the difference in sensitiveness of different antigens and different set-ups, and therefore, a certain amount of independent, intelligent judgment must be exercised at all times. Also, the histories of the flocks require consideration. In flocks where individuals show a suspicious agglutination, it is desirable to examine representative birds bacteriologically to determine the presence or absence of S. pullorum.)

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, as amended at 59 FR 12799, Mar. 18, 1994]

§ 147.2 The rapid serum test.[2]

(a) The procedure for the collection and delivery of blood samples in the rapid serum test is the same as that described in § 147.1(a).

(b) The selection and maintenance of suitable strains of S. pullorum and the composition of a satisfactory medium are described in § 147.1 (b) and (c).

(c) Large 1–inch test tubes, Kolle flasks, or Blake bottles are streaked liberally from 48–hour slant-agar cultures prepared from stock cultures of the selected strains.

(d) The antigen-growing tubes or bottles should be incubated 48 hours at 37° C., and the surface growth washed off with a very slight amount of 12 percent solution of sodium chloride containing 0.25 to 0.5 percent phenol, filtered through lightly packed sterile absorbent cotton placed in the apex of a sterile funnel.

(e) The washings should be adjusted (using 12 percent sodium chloride containing 0.25 to 0.5 percent phenol) so that the turbidity is 50 times greater than tube 0.75 of McFarland's nephelometer, or to a reading of 7 mm. by the Gates nephelometer.

(f) The individual strain antigens should be tested with negative sera for their insensitivity and with positive sera for high agglutinability in comparison with known satisfactory antigen. The antigens of the separate strains should be combined in equal volume-density and stored in the refrigerator (5° to 10° C.) in tightly stoppered bottles.

(g) The tests should be conducted on a suitable, smooth plate. The serum-antigen dilution should be made so that the dilution will not exceed 1:50 when compared to the standard tube agglutination test. When testing turkey blood samples, it is desirable to use a serum-antigen dilution equivalent to the 1:25 in the tube method. The serum should be added to the antigen and mixed thoroughly by use of the tip of the serum pipette. Most strong positive reactions will be plainly evident

[2] The procedure described is a modification of the method reported by Runnels, Coon, Farley, and Thorpe, Amer. Vet. Med. Assoc. Jour. 70 (N.S. 23): 660–662 (1927).

within 15 to 20 seconds. The final reading should be made at the end of 2 or 3 minutes. Heating the plate at approximately 37° C. will hasten agglutination. Before reading, the plate should be rotated several times.

(h) The results shall be recorded as described in § 147.1(h).

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[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, as amended at 59 FR 12799, Mar. 18, 1994]

§ 147.3 The stained-antigen, rapid, whole-blood test.[3]

(a) The description of the preparation of antigen is not herein included because the antigen is a proprietary product produced only under license from the Secretary of Agriculture.

(b) A loop for measuring the correct quantity of blood can usually be obtained from the manufacturer of the antigen. A satisfactory loop may be made from a piece of No. 20 gage nichrome wire, 2½ inches long, at the end of which is fashioned a loop three-sixteenths of an inch in diameter. Such a loop, when filled with blood so that the blood appears to bulge, delivers 0.02 cc. A medicine dropper whose tip is adjusted to deliver 0.05 cc. is used to measure the antigen. A glass plate about 15 inches square, providing space for 48 tests, has proved satisfactory for this work. The use of such a plate enables the tester to have a number of successive test mixtures under observation without holding up the work to wait for results before proceeding to the next bird.

(c) A drop of antigen should be placed on the testing plate. A loopful of blood should be taken up from the wing vein. When submerged in the blood and then carefully withdrawn, the loop becomes properly filled. On looking down edgewise at the filled loop, one observes that the blood appears to bulge. The loopful of blood then should be stirred into the drop of antigen, and the mixture spread to a diameter of about 1 inch. The loop then should be rinsed in clean water and dried by touching it to a piece of clean blotting paper, if necessary. The test plate should be rocked from side to side a few times to mix the antigen and blood thoroughly, and to facilitate agglutination. The antigen should be used according to the directions of the producer.

(d) Various degrees of reaction are observed in this as in other agglutination tests. The greater the agglutinating ability of the blood, the more rapid the clumping and the larger the clumps. A positive reaction consists of a definite clumping of the antigen surrounded by clear spaces. Such reaction is easily distinguished against a white background. A somewhat weaker reaction consists of small but still clearly visible clumps of antigen surrounded by spaces only partially clear. Between this point and a negative or homogeneous smear, there sometimes occurs a very fine granulation barely visible to the naked eye; this should be disregarded in making a diagnosis. The very fine marginal clumping which may occur just before drying up is also regarded as negative. In a nonreactor, the smear remains homogeneous. (Allowance should be made for differences in the sensitiveness of different antigens and different set-ups, and therefore, a certain amount of independent, intelligent judgment must be exercised at all times. Also, the histories of the flocks require consideration. In flocks where individuals show a suspicious agglutination, it is desirable to examine representative birds bacteriologically to determine the presence or absence of S. pullorum.)

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[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, as amended at 59 FR 12799, Mar. 18, 1994]

§ 147.4 The tube agglutination test for S. typhimurium.

(a) The procedure for the collection and delivery of blood samples in the tube agglutination test for S. typhimurium is the same as that described in § 147.1(a).

(b) The ''O'' antigen should be prepared as follows:

(1) The antigen shall consist of a representative nonmotile strain of S.

[3] The procedure described is a modification of the method reported by Schaffer, MacDonald, Hall, and Bunyea, Jour. Amer. Vet. Med. Assoc. 79 (N. S. 32): 236–240 (1931).

typhimurium which is of known antigenic composition and high agglutinability but is not sensitive to negative and nonspecific sera. Strain P 10 meets these requirements.

(2) The stock culture is maintained on 1 percent nutrient agar deeps, which have been incubated for 18–24 hours at 37° C. They are stored at room temperature.

(3) A satisfactory medium used for growing the organism is veal infusion agar (Difco). It is dispensed in 50 ml. amounts into 500 ml. medicine bottles, with screw caps, and sterilized at 15 pounds pressure for 20 minutes. The bottles are then laid flat upon an even surface until the medium has solidified.

(4) The inoculum used for preparation of ''O'' antigen is a nonmotile strain of S. typhimurium. The organism is grown in veal infusion broth (Difco) for 18–24 hours at 37° C.; then plated, for single colony isolation, on veal infusion agar plates. These plates are incubated for 18–24 hours at 37° C. After incubation, single colonies are picked and transferred to veal infusion agar slants, which are incubated for 18–24 hours at 37° C. After this, the cultures are tested for smoothness by using a 1:500 dilution of acriflavine.

(5) Smooth cultures are inoculated into flasks containing veal or beef infusion broth which is incubated for 18–24 hours at 37° C. The incubated broth suspension of organisms is dispensed into the antigen bottles containing veal infusion agar. The suspension is distributed evenly over the agar surface by gently tilting the bottles from side to side. The inoculated bottles are then laid flat, agar side down, for 10–20 minutes. They are subsequently incubated, agar side upward, for 24–48 hours at 37° C. before harvesting.

(6) The harvesting of the organism consists of washing the growth from each antigen bottle with 0.5 percent phenolized physiological saline. The bacterial suspension from each bottle is filtered through sterile milk pad filters into a large sterile container or through a thin layer of absorbent cotton in a Buchner funnel with the aid of suction. To each 100 ml. of the bacterial suspension is added additional phenol to make the final concentration 0.5 percent. The concentrated antigen is tested for sterility at intervals after 24 hours. After sterility is proved, the stock antigen is standardized to determine the density according to the McFarland nephelometer scale.

(7) The diluted antigen to be used in routine testing is prepared from stock antigen, by diluting with 0.25 percent phenolized saline, and is standardized to a turbidity corresponding to 0.75–1.00 of the McFarland nephelometer scale.

(c) The maximum serum dilution employed for the ''O'' antigen tube test must not exceed 1:25. In all official reports on the blood test, the serum dilutions should be indicated. The sera should be introduced into the agglutination tubes in the desired amounts with well-cleaned serological pipettes or special serum delivery devices which do not permit the mixing of different sera. The antigen and serum should be well mixed before incubation. The serum and antigen mixture must be incubated for at least 20 hours at 37° C.

(d) The results shall be recorded as described in §147.1(h).

§147.5 The microagglutination test for pullorum-typhoid.

Routinely, the microagglutination test is applied as a single-dilution test and only a single 18–24 hour reading is made.

(a) The procedure for the collection and delivery of blood samples in the microagglutination test is the same as that described in §147.1(a). A method that has proven advantageous is to transfer the serum samples from the blood clot to a microplate as described in ''Applied Microbiology,'' volume 24, No. 4, October 1972, pages 671–672. The dilutions are then performed according to paragraphs (d) or (e) of this section.

(b) Stained microtest antigen for pullorum-typhoid is supplied as concentrated stock suspension and must be approved by the Department.[4] Directions for diluting will be provided with the antigen. The stock as well as the

[4] Information as to criteria and procedures for approval of concentrated stock suspension of stained microtest antigens may be obtained from the National Poultry Improvement Plan, Veterinary Services, APHIS, USDA, 1498 Klondike Road, Suite 200, Conyers, GA 30094.

diluted antigen prepared each day should be kept sealed in the dark at 5° to 10° C. when not in use.

(c) Available data indicate that a 1:20 dilution for the microagglutination test is most efficient for the detection of pullorum-typhoid agglutinins in both chickens and turkeys. In all official reports on the blood test, the serum dilutions shall be indicated.

(d) The recommended procedure for the 1:20 dilution in the microagglutination test is as follows:

(1) Add 100 microliters (0.10 cc.) of 0.85 percent physiological saline to each well of the microplate.

(2) Using a microdiluter or a multimicrodiluter handle fitted with twelve 10 microliter microdiluters, transfer 10 microliters (0.01 cc.) of the serum sample from the collected specimen to the corresponding well of the microplate. This is accomplished by touching the surface of the serum sample with the microdiluter and then transferring and mixing with the diluent in the microplate well. The microdiluter is removed, blotted, touched to the surface of the distilled water wash, and again blotted. Other acceptable methods of serum delivery are described in ''Applied Microbiology,'' volume 21, No. 3, March 1971, pages 394–399.

(3) Dilute the microtest antigens with 0.50 percent phenolized saline and add 100 microliters (0.1 cc.) to each microplate well.

(4) Seal each plate with a plastic sealer or place unsealed in a tight incubation box as described in ''Applied Microbiology,'' volume 23, No. 5, May 1972, pages 931–937. Incubate at 37°C. for 18–24 hours.

(5) Read the test results as described in paragraph (f) of this section.

(e) The recommended procedure for a microagglutination test titration is as follows:

(1) Add 50 microliters (0.05cc.) of 0.85 percent physiological saline to each well of the microplate.

(2) To the wells representative of the lowest dilution in the titration, add an additional 50 microliters (0.05 cc.) of 0.85 percent physiological saline making a total of 100 microliters in these wells.

(3) Transfer each serum sample as described in § 147.5(d)(2) of this section to the first well containing 100 microliters (0.10cc.) in the titration, which represents the lowest dilution.

(4) Make twofold serial dilutions of each serum by transferring 50 microliters (0.05cc.) of diluted serum from one well to the next using twelve 50 microliter microdiluters fitted in a multimicrodiluter handle. When transfers have been made to all of the wells of the desired series, the 50 microliters remaining in the microdiluters are removed by blotting, touching the microdiluters to the surface of the distilled water wash, and blotting again.

(5) Dilute the desired microtest antigen with 0.50 percent phenolized saline and add 50 microliters (0.05 cc.) to each microplate well.

(6) Seal each plate with a plastic sealer or place the unsealed microplates in a tight incubation box and incubate at 37° C. for 18–24 hours.

(7) Read the test results as described in paragraph (f) of this section.

(f) Read the test results with the aid of a reading mirror. Results are interpreted as follows:

(1) N, or − (negative) when the microplate well has a large, distinct button of stained cells; or

(2) P, or + (positive) when the microplate well reveals no antigen button; or

(3) S, or ? (suspicious) when the microplate well has a small button. Suspicious reactions may tend to be more positive than negative [±] or vice versa [∓] and can be so noted if desired.

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[41 FR 48726, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 57 FR 57342, Dec. 4, 1992; 59 FR 12799, Mar. 18, 1994; 59 FR 67617, Dec. 30, 1994; 61 FR 11521, Mar. 21, 1996; 63 FR 3, Jan. 2, 1998]

§ 147.6 Procedure for determining the status of flocks reacting to tests for Mycoplasma gallisepticum, Mycoplasma synoviae, and Mycoplasma meleagridis.

The macroagglutination tests for Mycoplasma antibodies, as described in ''Standard Methods for Testing Avian Sera for the Presence of Mycoplasma Gallisepticum Antibodies'' published by the Agricultural Research Service,

USDA, March 1966, and the microagglutination tests, as reported in the Proceedings, Sixteenth Annual Meeting of the American Association of Veterinary Laboratory Diagnosticians, 1973, shall be the official tests. Procedures for isolation and identification of Mycoplasma may be found in Isolation and Identification of Avian Pathogens, published by the American Association of Avian Pathologists and §§147.15 and 147.16.

(a) The status of a flock for Mycoplasma shall be determined according to the following criteria:

(1) If the tube agglutination or the serum plate test is negative, the flock qualifies.

(2) If the tube agglutination or the serum plate test is positive, the hemaglutination inhibition (HI) test and/or the Serum Plate Dilution (SPD) test shall be conducted. *Provided,* that for egg-type and meat-type chicken and waterfowl, exhibition poultry, and game bird flocks, if more than 50 percent of the samples are positive for either *Mycoplasma gallisepticum, M. synoviae,* or both, the HI and/or the SPD test shall be conducted on 10 percent of the positive samples or 25 positive samples, whichever is greater. The results of the HI and/or SPD tests must be followed by the action prescribed in paragraphs (a)(3), (a)(4), and (a)(5) of this section.

(3) If the tube agglutination or serum plate tests are positive and HI and/or the SPD tests are negative, the flock shall be retested in accordance with paragraph (a)(6) of this section.

(4) If HI titers of 1:40 or SPD titers of 1:5 are found, the flock shall be considered suspicious and shall be retested in accordance with paragraph (a)(6) of this section.

(5) If HI titers of 1:80, positive enzyme-labeled immunosorbent assay (ELISA) titers, or SPD titers of 1:10 or higher are found, the Official State Agency shall presume the flock to be infected. If the indicated titers are found, tracheal swabs from 30 randomly selected birds shall be taken promptly and cultured individually or a PCR-based procedure conducted on these specimens for Mycoplasma, and additional tests conducted in accordance with paragraph (a)(6) of this section before final determination of the flock status is made.

(6) Fourteen days after the previous bleeding date, all birds or a random sample comprised of 75 birds shall be tested by the serum plate or tube agglutination test. Tested birds shall be identified by numbered bands.

(7) If the tube agglutination test or serum plate test is negative for the Mycoplasma for which the flock was tested, the flock qualifies.

(8) If the tube agglutination or serum plate test is positive on the retest, the HI and/or SPD test shall be conducted on the reacting samples.

(9) On the retest, if the tube agglutination or serum plate tests are positive at the same or higher rate and the HI or SPD tests are negative, the flock shall be considered suspicious and shall be retested in accordance with paragraph (a)(6) of this section.

(10) On the retest if HI titers of 1:80 and/or SPD titers of 1:10 or higher are found, the flock shall be considered infected: *Provided,* That, at the discretion of the Official State Agency, additional tests may be conducted in accordance with paragraph (a)(6) of this section before final determination of the flock status is made.

(11) If HI titers of 1:80 and/or SPD titers of 1:10 or higher are found on the second retest, the flock shall be considered infected for the Mycoplasma for which it was tested.

(12) If the tube agglutination or serum plate tests are found on the second retest to be positive at the same or higher rate and the HI and/or SPD tests are negative, the flock should be considered infected: *Provided,* That if the status of the flock is considered to be equivocal, the Official State Agency may examine reactors by the in vivo bio-assay, PCR-based procedures, and/or culture procedures before final determination of the flock status is made.

(13) If the in vivo bio-assay, PCR-based procedures, and culture procedures are negative, the Official State Agency may qualify the flock for the classification for which it was tested.

(14) If the in vivo bio-assay, PCR-based procedures, or culture procedures are positive, the flock shall be considered infected: *Provided,* That if only the

bio-assay is positive, additional in vivo bio-assay, PCR-based procedures, or cultural examinations may be conducted by the Official State Agency before final determination of the flock status is made.

(15) If the in vivo bio-assay, PCR-based procedures, or cultures are positive on retest, the flock shall be considered infected for the mycoplasma for which it was tested.

(b) [Reserved]

[40 FR 1504, Jan. 8, 1975, as amended at 41 FR 48726, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21993, May 20, 1982; 50 FR 19900, May 13, 1985; 54 FR 23957, June 5, 1989; 59 FR 12799, Mar. 18, 1994; 61 FR 11521, Mar. 21, 1996; 62 FR 44070, Aug. 19, 1997; 63 FR 3, Jan. 2, 1998]

§ 147.7 Standard test procedures for mycoplasma.[5]

The serum plate agglutination test, the tube agglutination test, and the enzyme-linked immunosorbent assay (ELISA) test should be considered basic screening tests for mycoplasma antibodies. The test selected will depend on preference, laboratory facilities, and availability of antigen. These three tests, though quite accurate, determine flock status rather than individual bird status, since occasional reactions are nonspecific. Under normal circumstances, the rate of such nonspecific reactions is low. Nonspecific reactions may occasionally be high, particularly after the use of erysipelas bacterin in turkeys and where mycoplasma antibodies are present for closely related mycoplasma other than for the species being tested. The hemagglutination inhibition (HI) test is too cumbersome for routine screening use. Positive reactions are extremely accurate however, and are useful in evaluating serum samples that react with the ELISA, plate, and/or tube antigens. The test should be conducted with 4 HA units. Titers of 1:80 or greater for both chicken and turkey sera are considered positive, while a 1:40 or 1:20 titer would be strongly suspicious and additional tests should be required.

(a) *Serum plate agglutination test.* (1) The serum plate agglutination test for mycoplasma is conducted by contacting and mixing 0.02 ml of test serum with 0.03 ml of serum plate antigen on a glass at room temperature. The standard procedure is:

(i) Allow antigen and test serums to warm up to room temperature before use.

(ii) Dispense test serums in 0.02 ml amounts with a pipette or standardized loop (rinsed between samples) to 1½ inch squares on a ruled glass plate. Limit the number of samples (no more than 25) to be set up at one time according to the speed of the operator. Serum should not dry out before being mixed with antigen.

(iii) Dispense 0.03 ml of antigen beside the test serum on each square. Hold antigen dispensing bottle vertically.

(iv) Mix the serum and antigen, using a multimixing device if large numbers are to be run at one time.

(v) Rotate the plate for 5 seconds. At the end of the first minute, rotate the plate again for 5 seconds and read 55 seconds later.

(2) A positive reaction is characterized by the formation of definite clumps, usually starting at the periphery of the mixture. Most samples that are highly positive will react well within the 2-minute test period. Reactions thereafter should be considered negative, although partial agglutination at 3 and 5 minutes may warrant further retesting. High-quality antigen contacted with negative serum will usually dry up on the plate without visible clumping. Whenever samples are run, the antigen should be tested against known positive and negative control serums. Standard reference antigens and negative and positive titered sera are available from the National Veterinary Services Laboratories (NVSL), P.O. Box 884, Ames, Iowa 50010.

(3) Since it is difficult to measure uniform amounts of serum with a calibrated loop, this technique should not be used in conducting an official test.

[5] For additional information on mycoplasma test procedures, refer to the following references: Proc. 77th Annual Meeting, U.S. Animal Health Association, 1973; Isolation and Identification of Avian Pathogens, 3rd Edition; Methods for Examining Poultry Biologics and for Identifying and Quantifying Avian Pathogens, 1991.

(b) *Serum plate dilution test.* (1) The serum plate dilution (SPD) test may be used to evaluate possible nonspecific reactions, gain additional information to evaluate positive plate tests occurring in an unexpected manner, and/or to evaluate the level of mycoplasma antibodies present in the serum sample. If sufficient serum is available, the following method would provide the dilutions required to conduct the test.

(i) Rack three tubes and put 0.8 ml of phosphate-buffered saline (PBS) in tube 1 and 0.5 ml of PBS in tubes 2 and 3.

(ii) Pipette 0.2 ml of the test serum into tube 1 and discard the pipette.

(iii) With a pipette, mix the serum and PBS in tube 1 and withdraw 0.5 ml and add to tube 2.

(iv) Repeat the process in step (iii), mixing the contents of tube 2 and transferring 0.5 ml to tube 3.

(v) Conduct the test, as described for the serum plate test in paragraph (a), on the undiluted sample and on samples in tubes 1, 2, and 3 after proper mixing of each dilution.

(vi) To assist in the evaluation of the test, conduct concurrent SPD tests using both positive 1:80 and positive 1:160 HI sera for the mycoplasma being tested. The antigen should be pretested for reactivity with standard serum at the 1:5 and 1:10 dilution.

(vii) Interpretation of the SPD test results should be based on the criteria in §147.6.

(c) *Tube agglutination test.* (1) The mycoplasma tube agglutination test is conducted by mixing 0.08 ml of test serum with 1.0 ml of diluted (1:20) antigen in a tube and allowing the mixture to react for 18–24 hours at 37° C. The diluent will be the standard phosphate-buffered saline with phenol. This solution is made up as follows:

	Grams
Sodium hydroxide (C.P.)	0.15
Sodium chloride (C.P.)	8.5
Potassium dihydrogen phosphate (KH_2 PO_4) (C.P.)	0.68
Phenol (Crystal) (C.P.)	2.5
Distilled water to make 1,000 ml	

The pH of the buffered phenolized saline will be 7.1–7.2 if all reagents are accurately measured. The stock tube antigen is diluted 1:20 with buffered phenolized saline. The procedures for the tube test are as follows:

(i) Rack 12 x 75 mm clean tubes and identify the tubes according to the sample to be tested.

(ii) Add 0.08 ml of the individual test serum to each tube. This will create approximately a 1:12.5 screening dilution of test serum when 1.0 ml of diluted antigen is added. The use of a pipetting device will insure proper mixing of serum and antigen.

(iii) To interpret positive reactions to the 1:12.5 dilution, two additional dilutions may be made by adding 0.04 ml of serum for 1:25 dilution and 0.02 ml of serum for 1:50 dilution, with the addition of 1.0 ml of diluted antigen as indicated in paragraph (c)(1)(ii) of this section.

(iv) Shake racks and incubate test systems for 18–24 hours at 37° C.

(2) Tests are read against a dark background under indirect fluorescent light. Regarded as a positive reaction is a clearing of the supernatant fluid, with visible sediment in the bottom of the tube. Incomplete reactions are suspect. Positive and negative control serums should be incorporated into each day's run of tests. Reactions at 1:25 or greater are considered positive. They should be confirmed by the HI test. Incubation for periods greater than 24 hours may be helpful in evaluating suspicious reactions and need for possible retesting or other diagnostic tests.

(d) *Hemagglutination Inhibition (HI) test.* The mycoplasma HI test is conducted by the constant-antigen, decreasing-serum method. This method requires using a 4-hemagglutination (HA) unit of diluted antigen. Differences in the number of HA units used will change the titers of positive sera markedly. Standard HA antigens for *Mycoplasma gallisepticum, M. synoviae,* and *M. meleagridis* are available from NVSL. The antigen has been titrated and diluted to approximately 1:640. The HA titration of each sample should be checked as described in paragraph (d)(2) on initial use or after long storage. To maintain HA activity, the undiluted HA antigen should be stored at −60° to −70° C. The test procedures are illustrated in Tables 2 and 3 of this paragraph.

(1) *Preparation of materials.*

(i) Prepare phosphate-buffered saline (PBS) as follows:

	Grams
Sodium hydroxide (C.P.)	0.15
Sodium chloride (C.P.)	8.5
Potassium dihydrogen phosphate (KH_2 PO_4) (C.P.)	0.68
Distilled water to make 1,000 ml	

The pH of the PBS will be 7.1–7.2 if all reagents are accurately measured.

(ii) Collect the turkey or chicken red blood cells (RBC's) in Alsever's solution which has been prepared as follows:

	Grams
Sodium citrate	8.0
Sodium chloride	4.2
Dextrose	20.5
Distilled water to make 1,000 ml.	

The sodium citrate and sodium chloride are dissolved in 800 ml distilled water and sterilized at 15 lbs. pressure for 15 minutes. Dissolve the dextrose in 200 ml distilled water, sterilize by Seitz or other type of filtration and then add aseptically to the sterile sodium citrate and sodium chloride solution.

(iii) From a turkey(s) or chicken(s) known to be free of the mycoplasma being tested, withdraw sufficient blood with a syringe containing Alsever's solution to give a ratio of 1 part blood to 5 parts Alsever's solution (e.g., 8 ml blood in 40 ml of Alsever's solution). Centrifuge the blood suspension at 1,000 rpm for 10 minutes and remove the Alsever's solution or supernatant with a pipette.

(iv) Wash the RBC's two times in 10 or more parts of Alsever's solution, centrifuging after each washing. Centrifugation is at 1,000 rpm for 10 minutes. The supernatant fluid is removed and the RBC deposit resuspended to give a 25 percent suspension of packed RBC's in Alsever's solution. (In testing either chicken or turkey sera, the homologous RBC system must be used; i.e., use chicken cells when testing chicken serum and turkey cells when testing turkey serum.) If this suspension is kept refrigerated, it should keep for 7 or 8 days after the blood has been collected.

(v) For the test, 1 ml of the 25 percent RBC's is added to 99 ml of buffered saline to make a 0.25 percent RBC suspension.

(2) *Hemagglutination (HA) antigen titration*. The HA stock antigen is stored at −70 ° C in PBS buffer containing 25 percent glycerin (vol/vol) in a concentrated suspension (i.e., 320–640 HA units/ml) in screwtype vials. Under such conditions, potency will be retained for years. There will be a rapid loss of titer if improperly stored. The titer of HA antigen is determined as illustrated in Table 1 and described in paragraphs (d)(2)(i) through (x) of this section.

TABLE 1 Titration of Hemagglutination (HA) Antigen

	Tube No.						
Reagents (ml)	1	2	3 8		9	10	11[a]
PBS	0.8	0.5	0.5.....0.5		0.5	0.5	0.5
Antigen	0.2						
Transfer	0.5→	0.5→	0.5—...→	0.5→	0.5→	0.5→[c]	
0.25% RBC	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Ant. dilution	1:5	1:10	1:20	1:640	1:1280	1:2560	
Results[b]	+	+	+	+	-	-	

[a] Tube 11, PBS/RBC control.

[b] + = HA; - = no HA (sample titer 1:640).

[c] Discard 0.5 ml.

(i) Rack a series of 11 chemically clean 12 x 75 mm test tubes. Label the tubes 1–11 left to right.

(ii) Put 0.8 ml of PBS in tube 1 and 0.5 ml of PBS in each of tubes 2–11.

(iii) Add 0.2 ml of antigen to tube 1. This will make a 1:5 dilution of antigen. Discard pipette.

(iv) Mix contents of tube 1 thoroughly with a clean pipette, and transfer 0.5 ml to tube 2. This will make a 1:10 dilution of antigen in tube 2. Discard pipette.

(v) Continue making serial twofold dilutions of antigen, changing pipettes after each transfer, through tube 10. This will result in a series of twofold dilutions ranging from 1:5 to 1:2560. Discard 0.5 ml of antigen dilution from tube 10.

(vi) Add 0.5 ,ml of 0.25 percent RBC's to tubes 1–11. Tube 11 will serve as PBS/RBC control.

(vii) Shake the rack and incubate at room temperature until the cells in the PBS/RBC control tube have settled into a compact button at the bottom of the tube.

(viii) If turkey sera is also to be tested for HI titer, repeat steps outlined in paragraphs (d)(2)(i) through (vii) of this section, using 0.25 percent turkey RBC's.

(ix) The end point of the titration is the highest dilution of antigen that produces complete agglutination of the RBC's, as evidenced by the formation of a thin sheet of cells covering the concave bottom of the tube. For example, if complete agglutination is produced through tube 8 (a dilution of 1:640 of antigen), the antigen would be said to titer 640, the reciprocal of the dilution.

(x) Specificity of HA antigen should be determined by conducting HI tests with specific chicken sera of variable HI titers. Specific turkey sera of varying HI titers should be used if turkey sera is also to be tested.

TABLE 2 Hemagglutination Inhibition (HI) Test:

	Tube No.						
Reagents (ml)	1[a]	2	3	8	9	10	11[b]
PBS	0.8	0	0		0	0	0.5
8-unit antigen	0	0.5	0		0	0	0
4-unit antigen	0	0	0.5	0.5	0.5	0.5	0
Test serum	0.2	0	0	0	0	0	0
Transfer	0.5→	0.5→	0.5—...→	0.5→	0.5→	0.5→[c]	
0.25% RBC	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Serum dilution	1:5	1:10	1:20 ...	1:640	1:1280	1:2560	

[a] Tube 1. Serum control.

[b] Tube 11. PBS/RBC control.

[c] Discard 0.5 ml.

TABLE 3 Antigen Control:

	Tube No.				
Reagents (ml)	1	2	3	4	5
4-unit antigen	1.0	0	0	0	0
PBS	0	0.5	0.5	0.5	0.5
Transfer	0.5→	0.5→	0.5→	0.5→	0.5[b]→
0.25% RBC	0.5	0.5	0.5	0.5	0.5
Unit Antigen/tube	4	2	1	1/2	1/4
Results[a]	+	+	+	-	-

[a] + = HA; - = no HA.

[b] Discard 0.5 ml.

(3) *Reagents for mycoplasma HI test.*

(i) Eight-unit antigen (Dilution factor for stock antigen is established by dividing titer by 8; i.e., 640 antigen is diluted 1:80 in PBS to make 8-unit antigen.)

(ii) Four-unit antigen (made by diluting surplus 8-unit antigen 1:2 with PBS).

(iii) PBS at pH 7.0.

(iv) Unknown test serums.

(v) Positive control serum of known titer (should be from the same species as the unknown).

(vi) Negative control serum (should be from the same species as the unknown).

(vii) Solution of 0.25 percent washed RBC's.

(4) *Test outline.*

(i) Rack 10 chemically clean 12 x 75 mm tubes for each serum, including

controls, to be tested. Identify each row of tubes, and label tubes in each row 1–10, left to right. In row 1, add tube 11 for a PBS/RBC control.

(ii) Put 0.8 ml of PBS in tube 1 of each test row; put 0.5 ml of 8-unit antigen in tube 2 of each test row; put 0.5 ml of 4-unit antigen in each of tubes 3–10 in each test row; and put 0.5 ml of PBS in tube 11.

(iii) Add 0.2 ml of test serum to tube 1. This tube will be the serum control in the test system.

(iv) Mix and make 0.5 ml transfers from tube 1 through tube 10. This will result in serial twofold dilutions of serum starting with 1:5 and ending with 1:2560. Discard 0.5 ml from tube 10.

(v) Rack five tubes in which to set up an antigen control.

(vi) In tube 1, put 1.0 ml of 4-unit antigen; put 0.5 ml of PBS in tubes 2–5.

(vii) Make 0.5 ml serial transfers from tube 1 through tube 5, changing pipettes after each transfer. Discard 0.5 ml from tube 5. This will result in a series of tubes respectively containing 4, 2, 1, ½, and ¼ units of antigen.

(viii) After 20–30 minutes at room temperature to permit antibody-antigen reaction, add 0.5 ml of 0.25 percent washed RBC's to each tube. Shake racks and incubate as for HA titration.

(ix) In this test system, positive serum should inhibit the HA activity of the antigen, while negative serum should have no effect. Inhibition will be evidenced by the formation of a free-flowing bottom of cells in the botton of the tube. The titer of the serum can be calculated as the reciprocal of the highest dilution of serum that produces complete HI. Controls should read as follows:

(A) Serum control (tube 1). Cells should settle out.

(B) PBS/RBC control (tube 11). Cells should settle out.

(C) Antigen control. HA in tubes 1–3. Cells should settle out in tubes 4–5.

(D) Positive and negative serum control. Positive control should inhibit to its known titer; negative control should have no inhibitory effect.

(x) With this test system and 4 units of antigen, HI titers of 80 or above are considered positive and titers of 40 are strongly suspicious. However, titers of 10 or 20 are usually negative. Sample test results are illustrated in Table 4 in this paragraph.

TABLE 4.—SAMPLE RESULTS OF HI TESTS

[Tube and Serum Dilution]

	1	2	3	4	5	6	7	8	9	10
	1:5	1:10	1:20	1:40	1:80	1:160	1:320	1:640	1:1280	1:2560
Serum A (HI neg.)	–	+	+	+	+	+	+	+	+	+
Serum B (HI 1:40)	–	–	–	–	+	+	+	+	+	+
Serum C (HI 1:160)	–	–	–	–	–	–	+	+	+	+
Serum D (HI 1:20)	–	–	–	+	+	+	+	+	+	+

+, HA.
–, no HA or HI.

(xi) If serological results from agglutination tests complemented by the HI test are inconclusive, cultural examination, bio-assay, or retesting of samples after an interval of at least 21 days may be indicated.

(e) *Procedure for mycolplasma hemagglutination inhibition tests using microtiter technique.* (1) *Procedure No. 1.* The microtiter mycoplasma HI test was developed from the tube HI test described in §147.7(d). Refer to these procedures for preparation of materials not listed below.

(i) *Materials needed.* (A) Microtiter equipment (minimal); i.e., microplates, microdiluters, micropipettes, go-no-go diluter delivery tester, (0.05 ml).

(B) Phosphate-buffered saline (PBS).

(C) Reagents from NVSL; i.e., HA antigen and negative and positive titered sera for the mycoplasma to be tested.

(D) Homologous red blood cells (RBC's) suspension 0.5 percent (2 ml of 25 percent RBC's to 98 ml of PBS) obtained from birds free of the mycoplasma to be tested. (See paragraphs

(d)(1)(ii) through (v) of this section for preparation of RBC's.)

(ii) *Microtiter hemagglutination (HA) antigen titration.* (A) Mark off two rows of 10 wells each for antigen titer (HA is done in duplicate).

(B) Mark last well in each row for cell controls.

(C) Prepare in small test tube (12 x 75 mm) a starting dilution of antigen by combining 0.1 ml antigen with 0.9 ml PBS. This is a 1:10 dilution.

(D) Add 0.05 ml PBS to all wells, including cell controls.

(E) Add 0.05 ml antigen (1:10 dilution) with diluters to the first well in both rows, mix thoroughly, transfer diluter to second well of each row and mix, continuing through the 10th well of each row. With mixture in diluter from last well, check diluter on go-no-go card, then place diluter in distilled water. If diluter checks out, antigen dilution will be 1:20, 1:40, 1:80, 1:160, 1:320, 1:640, 1:1280, 1:2560, 1:5120.

(F) Add 0.05 ml of 0.5 percent RBC suspension to all wells using a 0.05 dropper.

(G) Seal plate (if plate is to be held over 2 hours); shake and allow to stand at room temperature until cells in cell control gather in compact button. The titer is the highest dilution in which agglutination is complete. The dilution contains 1 HA unit in 0.05 ml.

(H) Prepare a dilution of antigen which contains 8 HA units in 0.05 ml. Example: if the antigen titer is 1:640, then that dilution contains 1 HA unit per 0.05 ml. Then 640÷8=80, or a dilution of 1:80 containing 8 HA units. Or 640÷4=160, a dilution of 1:160 containing 4 HA units per 0.05 ml.

(iii) *Microtiter HI test.* (A) Prepare two dilutions of antigen, one containing 8 HA units per 0.05 ml and one containing 4 HA units per 0.05 ml. The 4-unit antigen can be prepared from the 8-unit antigen by mixing with equal parts of PBS.

(B) Mark off one row of 8 wells for each test.

(C) Prepare a 1:5 dilution of each sera to be tested in a small test tube (12×75 mm): 0.1 ml serum plus 0.4 ml PBS or 0.05 ml serum plus 0.20 ml PBS.

(D) Add 0.05 ml PBS with the 0.05 ml dropper to the first well in each row.

(E) Add 0.05 ml of 8-unit antigen to well 2 in each row.

(F) Add 0.05 ml of 4-unit antigen to well 3 through 8 for each row.

(G) For each serum to be tested, load 0.05 ml diluter with 1:5 dilution as prepared in paragraph (iii) above and place in first well of row.

(H) Mix well and transfer loaded diluter to well 2. Continue serial twofold dilutions through well number 8.

(I) Well 1 (serum dilution of 1:10) is serum control. Well 2=1:20 dilution; well 3=1:40 dilution; well 4=1:80 dilution; well 5=1:160 dilution; well 6=1:320 dilution; well 7=1:640 dilution; and well 8=1:1280 dilution.

(J) *Antigen control.* (*1*) Mark off 6 wells for antigen controls.

(*2*) Add 0.05 ml PBS to wells 2, 3, 4, 5, and 6.

(*3*) Add 0.05 ml 8-unit antigen to wells 1 and 2.

(*4*) With empty diluter, mix contents of well 2. Continue serial twofold dilutions through well 6.

(*5*) Well 1 contains 8 units; well 2 contains 4 units; well 3 contains 2 units; well 4 contains 1 unit; well 5 contains ½ unit; and well 6 contains ¼ unit.

(*6*) Mark off two wells for cell controls and add 0.05 ml PBS to each.

(*7*) After 20–30 minutes at average room temperature (20°–23°C) to permit antibody-antigen reaction, add 0.05 ml of a 0.5 percent suspension of RBC's to all wells.

(*8*) Seal all wells (if wells are to be held over 2 hours). Shake the plate thoroughly.

(*9*) Incubate at room temperature for 30–45 minutes.

(K) *Interpretation:* The HI titer is the highest serum dilution exhibiting complete inhibition of hemagglutination as indicated by flowing of cells when the plate is tilted. Serum having a titer of 1:80 or greater is considered positive. A titer of 1:40 or 1:20 is suspicious.

(2) *Procedure No. 2.* Purpose: To test for antibodies to avian mycoplasma by hemagglutination inhibition (HI). The test uses the constant antigen, titered-sera method for measuring antibodies to *M. gallisepticum, M. synoviae,* or *M. meleagridis.*

(i) *Materials needed.*

(A) *M. gallisepticum, M. synoviae,* and/or *M. meleagridis* HI antigens.

(B) Positive and negative control sera.

(C) Phosphate buffered saline (PBS).

(D) Microtiter plates, 96-well, U-bottom.

(E) 12-channel pipettor (Titerek).

(F) 50 µL pipettor (Pipetman P200).

(G) Pipette tips.

(H) 0.5 percent homologous red blood cells (RBC's) in PBS (use RBC's from the same species being tested).

(I) Plate-sealing tape.

(J) Mirrored plate reader.

(ii) *Microtiter hemagglutination antigen (HA) titration.*

(A) Perform standard hemagglutination test (HA) on mycoplasma antigen to determine titer of antigen.

(*1*) Dispense 50 µL of PBS into each well of 3 rows of a 96-well microtiter plate.

(*2*) Dispense 50 µL of stock antigen into the wells of 2 rows.

(*3*) Perform serial two-fold dilutions (50 µL) using a 12-channel pipettor. The dilution series will be from 1:2 to 1:4096.

(*4*) Add 50 µL of 0.5 percent homologous RBC's to each well of all 3 rows. The row with no antigen serves as an RBC control.

(B) Incubate at room temperature (approximately 30 minutes) until the control RBC's give tight buttons. The HA titer is read as the last well to give a complete lawn (hemagglutination). The desired endpoint is 4 HA units. The well containing the 1:4 dilution should give a complete HA while the 1:8 dilution should show less than complete HA.

(C) Dilute stock antigen to 4 HA units for the HI test. The dilution required to give 4 HA units is calculated by dividing the stock antigen HA titer by 8. (Example: 1:320 HA units ÷ 8 = 40, dilute stock antigen 1:40.)

(iii) *Hemagglutination inhibition assay.*

(A) Label one column (A to H) of a 96-well, U-bottom microtiter plate for each sample, each positive and negative control sera, antigen backtitration, and RBC control.

(B) Add 40 µL of PBS to the top row of wells (row A) of the plate.

(C) Add 25 µL of PBS to all remaining wells of the plate.

(D) Add 10 µL of each test sera to well A of each column (making a 1:5 sera dilution).

(E) Serially dilute 25 µL from well A through H using a 12-channel pipettor. Discard the final 25 µL. Row A = 1:5...row H = 1:640.

(F) With an Oxford doser, add 25 µL of 4 HA unit antigen to wells B through H. Well A serves as sera control.

(G) Prepare an antigen backtitration by adding 25 µL of PBS to each well of one column. Add 25 µL of diluted antigen to well A and serially dilute 25 µL from wells A to D. This prepares 1:2, 1:4, 1:8, and 1:16 dilutions. (It is recommended that the antigen control backtitration be performed before the diluted antigen is used in the assay. Dilution problems could be detected and corrected before the inappropriately diluted antigen is used in the assay.)

(H) Leave a column of wells blank for an RBC control.

(I) Agitate gently and incubate for 30 minutes at room temperature.

(J) Add 50 µL of 0.5 percent RBC's to all wells. Note: Do not agitate after RBC's have been added (agitation may result in false positive reactions by causing the RBC's to fall, resulting in ''false'' buttons).

(K) Cover the plate with sealing tape. Incubate at room temperature for 30 minutes or until control RBC's give a tight button.

(L) Read the reaction on a mirrored plate reader.

(iv) *Results.*

(A) The titer is reported as the reciprocal of the last dilution to give a tight button of RBC's. The final dilution scheme includes the antigen in the dilution calculation and is as follows: B=1:20, C=1:40, D=1:80, E=1:160, F=1:320, G=1:640, H=1:1,280.

(B) For the assay to be valid:

(*1*) The positive control sera must give a result within one dilution of the previously determined titer.

(*2*) The negative control sera must be negative.

(*3*) The backtitration of the antigen must be 1:4 or 1:8.

(*4*) The RBC control must give tight, non-hemolyzed buttons.

(*5*) Sera controls (well A of each test sera) must not have non-specific agglutination or hemolysis. If negative, report as ''negative with non-specific agglutination or non-specific hemolysis'' or ''unable to evaluate due to non-specific agglutination or hemolysis'' or treat the serum to remove the non-specific agglutination and repeat the test. (See paragraph (e)(2)(v) of this section.)

(v) *Treatment to remove non-specific agglutination.*

(A) *Purpose.* Treatment of serum to remove non-specific agglutination that is interfering with HI assays.

(B) *Specimen.* Serum.

(C) *Materials.* Homologous RBC's (chicken or turkey), 50 percent solution PBS, centrifuge, incubator, 4C (refrigerator).

(D) *Procedure.* (*1*) Prepare a 1:5 dilution of test serum by adding 50 µL of serum to 200 µL of PBS.

(*2*) Prepare a 50 percent solution of RBC's by adding equal volumes of packed RBC's to PBS. Mix well.

(*3*) Add 25 µL of 50 percent RBC solution to the serum dilutions.

(*4*) Vortex gently to mix.

(*5*) Incubate at 4 °C for 1 hour.

(*6*) Centrifuge to pellet the RBC's.

(*7*) Use the supernatant to perform the HI assay. Modify the dilution scheme in the assay to consider the initial 1:5 dilution prepared in the treatment. For the 1:5 dilution scheme, do not add PBS to row A. Add 50 µL of the 1:5 treated supernatant to row A. Serially dilute 25 µL from rows A through H. This prepares a serum dilution of 1:10 through 1:640 in rows B through H.

[49 FR 19803, May 10, 1984, as amended at 57 FR 57342, Dec. 4, 1992; 59 FR 12799, Mar. 18, 1994; 63 FR 3, Jan. 2, 1998]

§ 147.8 Procedures for preparing egg yolk samples for diagnostic tests.

The following testing provisions may be used for retaining the classification U.S. M. Gallisepticum Clean under § 145.23(c)(1)(ii)(C) and § 145.33(c)(1)(ii)(C), and for retaining the classification U.S. M. Synoviae Clean under § 145.23(e)(1)(ii)(*b*) and § 145.33(e)(1)(ii)(*b*) of this chapter.

(a) Under the supervision of an Authorized Agent or State Inspector, the eggs which are used in egg yolk testing must be selected from the premises where the breeding flock is located, must include a representative sample of 30 eggs collected from a single day's production from the flock, must be identified as to flock of origin and pen, and must be delivered to an authorized laboratory for preparation for diagnostic testing.

(b) The authorized laboratory must identify each egg as to the breeding flock and pen from which it originated, and maintain this identity through each of the following:

(1) Crack the egg on the round end with a blunt instrument.

(2) Place the contents of the egg in an open dish (or a receptacle to expose the yolk) and prick the yolk with a needle.

(3) Using a 1 ml syringe without a needle, aspirate 0.5 ml of egg yolk from the opening in the yolk.

(4) Dispense the yolk material in a tube. Aspirate and dispense 0.5 ml of PBS (phosphate-buffered saline) into the same tube, and place in a rack.

(5) After all the eggs are sampled, place the rack of tubes on a vortex shaker for 30 seconds.

(6) Centrifuge the samples at 2500 RPM (1000 x g) for 30 minutes.

(7) Test the resultant supernatant for *M. gallisepticum* and *M. synoviae* by using test procedures specified for detecting IgG antibodies set forth for testing serum in § 147.7 (for these tests the resultant supernatant would be substituted for serum); except that a single 1:20 dilution hemagglutination inhibition (HI) test may be used as a screening test in accordance with the procedures set forth in § 147.7.

NOTE.— For evaluating the test results of any egg yolk test, it should be remembered that a 1:2 dilution of the yolk in saline was made of the original specimen.

[50 FR 19900, May 13, 1985; 63 FR 3, Jan. 2, 1998]

Subpart B—Bacteriological Examination Procedure

§ 147.10 Laboratory procedure recommended for the bacteriological examination of egg-type breeding flocks with salmonella enteritidis positive environments.

Birds selected for bacteriological examination from egg-type breeding

flocks positive for *Salmonella enteritidis* after environmental monitoring should be examined as described in §147.11(a) of this subpart, with the following exceptions and modifications allowed due to the high number of birds required for examination:

(a) Except when visibly pathological tissues are present, direct culture, §147.11(a)(1) of this subpart, may be omitted; and

(b) Enrichment culture of organ (non-intestinal) tissues using a non- selective broth, §147.11(a)(2) of this subpart, may be omitted.

[59 FR 12801, Mar. 18, 1994]

§147.11 Laboratory procedure recommended for the bacteriological examination of salmonella.

(a) *For egg- and meat-type chickens, waterfowl, exhibition poultry, and game birds.* All reactors to the Pullorum-Typhoid tests, up to at least four birds, should be cultured in accordance with both *direct* (paragraph (a)(1)) and *selective enrichment* (paragraph (a)(2)) procedures described in this section. Careful aseptic technique should be used when collecting all tissue samples.

(1) Direct culture (refer to illustration 1). Grossly normal or diseased liver, heart, pericardial sac, spleen, lung, kidney, peritoneum, gallbladder, oviduct, misshapen ova or testes, inflamed or unabsorbed yolk sac, and other visibly pathological tissues where purulent, necrotic, or proliferative lesions are seen (including cysts, abscesses, hypopyon, and inflamed serosal surfaces), should be sampled for direct culture using either flamed wire loops or sterile swabs. Since some strains may not dependably survive and grow in certain selective media, inoculate *non-selective plates* in addition to two selective plating media. Refer to illustration 1 for recommended bacteriological recovery and identification procedures.[6] Proceed immediately with collection of organs and tissues for selective enrichment culture.

(2) Selective enrichment culture (refer to illustration 2). Collect and culture organ samples separately from intestinal samples, with intestinal tissues collected last to prevent cross-contamination. Samples from the following organs or sites should be collected for culture in selective enrichment broth. A non-selective broth culture (illustration 1) of pooled organs and sites should also be included as described in paragraph (a)(3) of this section.

(i) Heart (apex, pericardial sac, and contents if present);

(ii) Liver (portions exhibiting lesions or, in grossly normal organs, the drained gallbladder and adjacent liver tissues);

(iii) Ovary-Testes (entire inactive ovary or testes, but if ovary is active, include any atypical ova);

(iv) Oviduct (if active, include any debris and dehydrated ova);

(v) Kidneys and spleen; and

(vi) Other visible pathological sites where purulent, necrotic, or proliferative lesions are seen.

(3) From each reactor, aseptically collect 10 to 15 g, or the nearest lesser amount available, from each organ or site listed in paragraph (a)(2) of this section and mince, grind, and blend them completely in 10 times their volume of beef extract broth or a comparable non-selective broth. Organs or sites listed in paragraph (a)(2) of this section may be pooled from the same individual bird. Suspensions should be transferred in 10-ml aliquots to 100 ml of both tetrathionate brilliant green (TBG) (Hajna or Mueller-Kauffmann) broth and a separate non-selective broth and incubated at 37 °C for 24 hours. Refer to illustration 2 for recommended bacteriological recovery and identification procedures, including delayed secondary enrichment and combinations of plating media that significantly suppress the overgrowth of contaminants, such as brilliant green Novobiocin (BGN) and Xylose-Lysine- Tergitol 4 (XLT4). As a supplemental procedure, a colony lift assay may also be used as a screening test to

[6] Biochemical identification charts may be obtained from ''A Laboratory Manual for the Isolation and Identification of Avian Pathogens,'' chapter 1, Salmonellosis. Third edition, 1989, American Association of Avian Pathologists, Inc., Kendall/Hunt Publishing Co., Dubuque, IA 52004–0539.

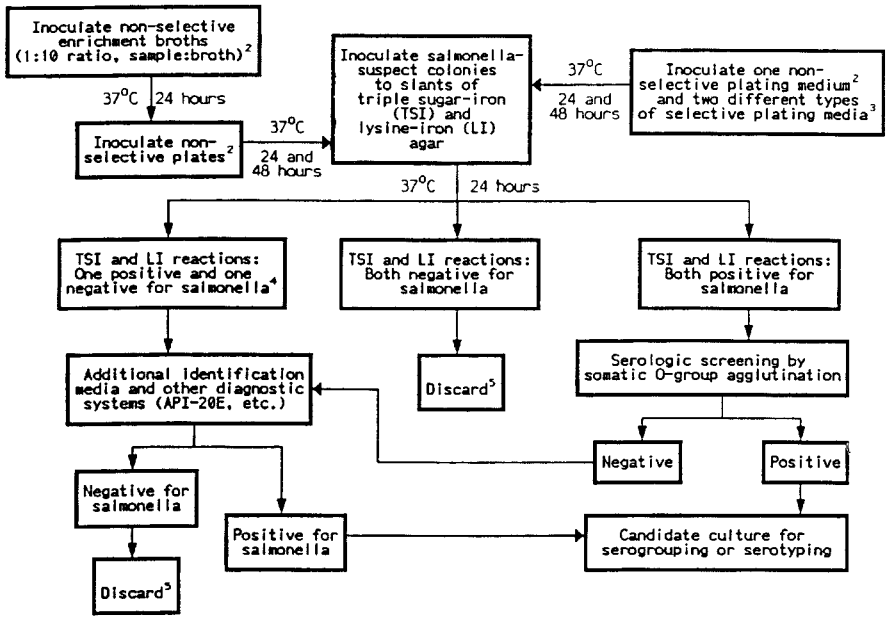
aid in the detection of group D salmonella suspect colonies on selective and nonselective agar culture plates.

(4) From each reactor, make a composite sample of the following parts of grossly normal or diseased tissues from the digestive tract: Crop wall, duodenum (including portions of the pancreas), jejunum (including remnant of yolk-sac attachment), both ceca, cecal tonsils, and rectum-cloaca. Aseptically collect 10–15 g or the nearest lesser amount available from each specified digestive or intestinal tissue, and mince, grind, and blend them completely in 10 times their volume of TBG broth. The digestive/intestinal tissues may be pooled from the same individual bird. Do not pool tissues from different birds. Transfer 10 ml of the described digestive TBG suspensions into 100 ml of TBG broth, and incubate at 41.5 °C for 24 hours. Cultures may be incubated at 37 °C if 41.5 °C incubators are not available. The higher incubation temperatures for TBG broth reduce populations of competitive contaminants common in gut tissue. Refer to illustration 2 and paragraph (a)(5) of this section for recommended bacteriological recovery and identification procedures, including delayed secondary enrichment and combinations of plating media that significantly suppress the overgrowth of contaminants, such as BGN and XLT4, and a colony lift assay to aid in the detection of group D salmonella colonies.

(5) As a supplement to the standard colony pick to triple sugar-iron (TSI) and lysine-iron (LI) agar slants, a group D colony lift assay may be utilized to signal the presence of hard-to-detect group D salmonella colonies on agar culture plates. A system such as the Analytical Profile Index for Enterobacteriaceae (API) may also be utilized to aid cultural identifications.

(6) All isolates culturally identified as *salmonellae* should be serogrouped or serotyped.

ILLUSTRATION 1: *Organ (non-intestinal) tissues.*[1]
Pullorum-Typhoid reactors.



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[1] All pullorum-typhoid reactors should also be evaluated with selective enrichment broths (refer to illustration 2).

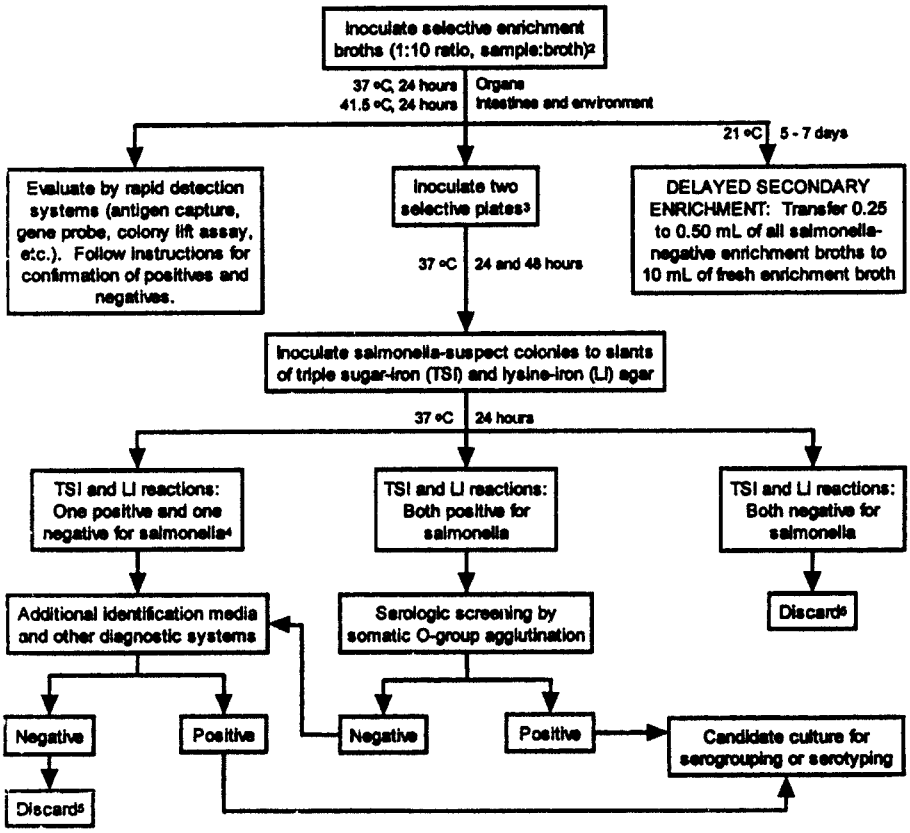
[2] Beef extract or infusion broths and plates are preferred. Comparable non-selective media may also be used.

[3] Inoculate brilliant green (BG) or BG-Novobiocin (BGN) AND another selective media such as xylose-lysine-desoxycholate (XLD) or XLD-Novobiocin (XLDN).

[4] If combined results with TSI and LI agars, additional identification media, and O-group screening procedures are inconclusive, restreak original colony onto selective plating media to check for purity.

[5] Reevaluate if epidemiologic, necropsy, or other information indicates the presence of an unusual strain of Salmonella.

ILLUSTRATION 2: *Environmental, organ, and intestinal samples.*[1]
Environmental monitoring programs and pullorum-typhoid reactors.



[1] Organ tissues from all reactor birds should also be evaluated without selective enrichment (refer to illustration 1).

[2] Hajna TT or Mueller-Kauffmann tetrathionate enrichment broth is preferred over selenites.

[3] For enrichment broths of organ samples, inoculate xylose-lysine-desoxycholate (XLD) or XLD-Novobiocin (XLDN) and brilliant green (BG) or BG-Novobiocin (BGN) media. One of the media shall be either XLDN or BGN. For enrichment broths of intestinal or environmental samples, inoculate xylose-lysine-tergitol 4 (XLT4) or XLDN and BGN or BG media.

[4] If combined results with TSI and LI agars, additional identification media, and O-group screening procedures are inconclusive, restreak original colony onto selective plating agar to check for purity.

[5] Reevaluate if epidemiologic, necropsy, or other information indicates the presence of an unusual strain of Salmonella.

(b) *For turkeys*—(1) *Bacteriological examination of Salmonella reactors and necropsy specimens.* Grossly normal or diseased liver, heart, pericardial sac, spleen, lung, kidney, pancreas, peritoneum, drained gallbladder, oviduct, misshapen ova, testes, inflamed or unabsorbed yolk sac, and other visibly pathological tissues where purulent, necrotic, or proliferative lesions are

seen (including cysts, abscesses, hypopyon, and inflamed serosal surfaces), should be directly cultured by means of a flamed wire loop or with sterile swabs.[7] Careful aseptic technique must be utilized throughout the process of collecting tissues. Selective media should not be relied upon to deal with contaminants, since some strains may not dependably survive and grow in certain selective media. Inoculate veal infusion (VI) and brilliant green (BG) agar plates. Incubate the plates for 24 and 48 hours at 37°C. The digestive system should always be cultured separately (see paragraph (b)(7) of this section) after other anatomical organs and systems have been collected and cultured.

(2) *Bacteriologic examination of environmental and other contaminated specimens.* (i) Culture a representative sample of the specimen in tetrathionate Hajna (TTH) selective broth (TT Mueller-Kauffmann or selenite-cystine is also acceptable) as a temperature of 41–42 °C for 24 hours. Note: Do not use selenite-cystine if double strength skim milk is used as a preservative for the sample.

(ii) Inoculate an agar late of brilliant green novobiocin (BGN) and an agar plate of xylose-lysine-tergitol 4 (XLT4), incubate at 37 °C for 24 hours, and retain culture tubes at room temperature for 5–7 days for possible reculturing of the negative tubes using 0.25 ml in TTH.

(iii) Inoculate *Salmonella* suspect colonies to slants of triple sugar-iron (TSI) and lysine-iron (LI) agar and incubate at 37 °C for 24 hours. Five colony picks per plate should be taken unless 50 percent or more of the plates have *Salmonella*- like colonies. In that case, the number of picks may be reduced to three per plate.

(iv) Conduct serologic screening of cultures revealing typical reactions of *Salmonella* on TSI and LI agar slants using somatic O-group antisera agglutination or transfer for further identification to appropriate biochemical tests such as: Dextrose, lactose, sucrose, mannitol, maltose, dulcitol, malonate, gelatin, urea broth, citrate, lysine decarboxylase, ornithine decarboxylase, methyl red and Voges-Proskauer, KCN, salicin broths, indole, and hydrogen sulfide. Motility or nonmotility is demonstrated by inoculating a suitable semisolid medium. The Analytical Profile Index API 20E)[8] for Enterobacteriacea (APE) system may also be used for further identification if desired.

(v) Serotype all *Salmonella* group D cultures at the National Veterinary Services Laboratory.

(3) The following organs should be aseptically collected for culture:

(i) Heart (apex, pericardial sac, and contents if present.);

(ii) Liver (portions exhibiting lesions or, in grossly normal organs, the drained gallbladder and adjacent liver tissues.);

(iii) Ovary-Testes (entire inactive ovary or testes, but if ovary is active, use own judgment and include any atypical ova.);

(iv) Oviduct (if active, include any debris and dehydrated ova.);

(v) Pancreas and kidneys; and

(vi) Spleen.

(4) Aseptically collect 10–15 g or whatever lesser amount is available of each organ or site listed in paragraph (b)(3) of this section from each reactor, and grind or blend them completely in 10 times their volume of VI broth. Organs may be processed individually or in combinations where appropriate. Suspensions should be transferred in 10-ml aliquots to 100-ml of both VI and tetrathionate brilliant green (TBG) broth and incubated at 37°C for 24 hours. Plate the VI broth on VI and BG agar and plate the TBG broth on BG agar and incubate at 37°C. Examine these plates after 24 and 48 hours of incubation. The contents of the gallbladder can be cultured separately by inoculating 10-ml of VI and TBG broth with cotton swabs and incubating at

[7] Culture media preparation and biochemical identification charts can be obtained from *Culture Methods for the Detection of Animal Salmonellosis and Arizonosis,* Committee on Salmonellosis and Arizonosis, AAVLD, 1976 Iowa State University Press, Ames, IA 50010.

[8] We use trade names solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement over other products not mentioned.

37°C for 24 hours. Plate on BG agar and incubate at 37°C. Examine these plates after 24 and 48 hours of incubation. If contamination with pseudomonas or proteus is a problem, make platings on BG sulfapyridine (BGS) agar.

(5) Where field samples are directly inoculated into enrichment broths and a delay of several days occurs before they reach a laboratory, or if recovery of low numbers or organisms is expected from a primary culture, a secondary enrichment culture should be prepared. Subculture a week-old primary culture by transferring 1-ml of inoculum into a fresh tube 10-ml of enrichment broth. This secondary enrichment should be incubated at 37°C for 24 hours before plating. (See paragraph (b)(1) of this section.) TBG broth is recommended for this procedure.

(6) Make a composite sample of the following parts of grossly normal or diseased tissues from the digestive tract: Crop wall, duodenum, jejunum (including remnant of yolk-sac attachment), both ceca, cecal tonsils, and rectum-cloaca. Aseptically collect 10–15 g of each organ or tissue, or whatever lesser amount is available, and grind or blend them completely in 10 times their volume of TBG broth. Transfer 10-ml of a composite sample of a suspension from the digestive tract into 100-ml of TBG broth, and incubate flasks at 42°C for 24 hours. Cultures may be incubated at 37°C if 42°C incubators are not available. The higher incubation temperatures for TBG broth reduce populations of competitive contaminants common in gut tissue. Plate on BG agar and incubate at 37°C. Examine the plates after 24 and 48 hours of incubation. If contamination with pseudomonas or proteus is a problem make platings on BGS agar.

(7) If preferred, individual cotton swab samples may also be taken from the upper, middle, and lower intestinal tract (including both ceca and the rectum-cloaca). Deposit swabs in 10-ml of TBG broth and incubate and plate as described in paragraph (b)(6) of this section.

(8) Transfer suspect colonies to triple-sugar-iron (TSI) agar and lysine-iron (LI) agar and incubate at 37°C for 24 hours.

(9) Cultures revealing typical reactions of salmonellae on TSI and LI agar slants should be transferred to any of the following appropriate biochemical tests for final identification: Dextrose, lactose, sucrose, mannitol maltose, dulcitol, malonate, gelatin, urea broth, citrate, lysine decarboxylase, ornithine decarboxylase, methyl red and Voges-Proskauer, KCN, salicin broths, indole, and hydrogen sulfide. Motility or nonmotility is demonstrated by inoculating a suitable semisolid medium.[9] The Analytical Profile Index for Enterobacteriaceae (API) system may be utilized for identification if feasible. For arizonae identification, make readings daily up to 10 days. An O-nitrophenyl-beta-D-galactopyranside (ONPG) disc may be used to identify slow lactose fermenters.[10]

(10) All salmonella cultures should be serologically typed.

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[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 47 FR 21994, May 20, 1982; 50 FR 19900, May 13, 1985; 57 FR 57342, Dec. 4, 1992; 59 FR 12801, Mar. 18, 1994; 61 FR 11521, Mar. 21, 1996; 63 FR 3, Jan. 2, 1998]

§ 147.12 Procedures for collecting environmental samples and cloacal swabs for bacteriological examination.

Information concerning the pen arrangement and number of birds per pen should be obtained from the owner so that the required number of samples per pen and per flock can be determined. A means of identifying each sample by pen of origin should be provided. The vehicle transporting the personnel taking the samples should be left as far as practical from the poultry pens. Sanitary precautions, including

[9] Formulation for the semisolid motility medium can be obtained from: *Isolation and Identification of Avian Pathogens,* American Association of Avian Pathologists, University of Pennsylvania, New Bolton Center, Kennett Square, Pennsylvania 19348—1692, 1980.

[10] ONPG discs are available from: Baltimore Biological Laboratories, Cockeysville, MD 21030.

personal cleanliness, should be observed during the sampling procedure. The hands should be carefully washed with a sanitizing soap prior to the sampling. Outer clothing, including gloves, should be changed between visits to different premises so that clean clothing is worn upon entering each premises.

The used and clean apparel should be kept separate. Boots or footwear should be cleaned and disinfected between visits to different premises. Disposable caps should be provided and discarded after use on each premises. After collection, the samples should be protected from drying, light, and excessive temperatures and delivered to the laboratory within one day. If delivery is delayed, samples should be refrigerated.

(a) *For egg- and meat-type chickens, waterfowl, exhibition poultry, and game birds.* All samples and swabs described in this paragraph shall be cultured in accordance with illustration 2 of §147.11, including delayed secondary enrichment. All salmonellae recovered shall be serogrouped or serotyped.

(1) *Environmental samples.* Fecal material, litter, dust, or floor litter surface or nest box drag swab samples to be submitted for bacteriological examination shall be collected in accordance with the procedures described in paragraphs (a)(1), (a)(2), or (a)(3) of this section:

(i) *Procedure for sampling in broth.* Authorized laboratories will provide capped tubes 1 to 2 cm in diameter and 15 to 20 cm in length that are two-thirds full of a recently made, refrigerated, sterile enrichment broth (Hajna or Mueller-Kauffmann Tetrathionate Brilliant Green) for each sample. Sufficient tubes shall be taken to the premises to provide at least one tube per pen or one tube per 500 birds, whichever is greater. At least one sterile, cotton-tipped applicator will be needed for each tube. The dry applicator is first placed in or drawn through fresh manure (under roost, near water troughs, fecal droppings, or diarrhetic droppings). After each streaking, place the cotton-tipped applicator in the tube of broth and swirl the applicator to remove the collected material. Withdraw the applicator from the tube and use it to take additional specimens by streaking on or through areas where defecation, trampling of feces, or settling of dust is common; e.g., on or near waterers, feeders, nests, or rafters, etc. When the volume of material collected equals approximately 10 percent of the volume of the broth (usually 10–12 streakings), place the applicator in the tube and break the stick in half, leaving the lower or cotton-tipped half in the broth and retaining the upper half for future disposal. Replace the cap on the inoculated tube and continue the sampling procedure in other areas of the pen.

(ii) *Procedure for sampling in dry containers.* Place a sample of fecal material, litter, or dust in a sterile, sealable container. The sample shall consist of several specimens of material taken from a representative location in the pen or house. Collect at least 10 g (approximately a heaping tablespoonful) of material for each sample. Collect the specimens in each sample with a sterile tongue depressor or similar uncontaminated instrument. The samples shall vary in type and consistency. Half of the samples shall be comprised of material representing defecated matter from a large portion of the flock; i.e., trampled, caked material near waterers and feeders. The minimum number of samples to be taken shall be determined by the following: Five samples from pens or houses of up to 500 birds; Ten samples from pens or houses of 500 to 2,500 birds; Fifteen samples from pens or houses with more than 2,500 birds. The samples may be pooled to not fewer than five samples at the laboratory as long as the volume of material collected equals approximately 10 percent of the volume of the broth.

(2) *Cloacal swabs.* Cloacal swabs for bacteriological examination shall be taken from each bird in the flock or from a minimum of 500 birds in accordance with the procedure described in paragraph (a)(2)(i) of this section.

(i) *Procedure for taking cloacal swabs.* The authorized laboratory will provide sterile capped tubes or other suitable containers and cotton-tipped applicators for use in taking the cloacal swabs. Insert the cotton-tipped applicator into the cloaca and rectum in

such a manner as to ensure the collection of fecal material. Place the swab and adhering fecal material in the tube and break the stick in half, keeping the upper half of the stick for future disposal. The cloacal swabs may be combined in the sterile tubes in multiples of five or in combinations specified by the authorized laboratory.

(ii) [Reserved]

(3) *Drag-swabs.* Utilization of drag swabs (DS) involves the exposure of gauze pads, a key component of a DS sampler, to the surface of random, flock-representative floor litter and nest box areas. The sampler pads shall be sterile and slightly moist to promote adherence of particulate material, and impregnated with double-strength skim milk[11] to protect salmonella viability during sample collection, batching, storage, and shipment. Floor litter surface DS sample results tend to reflect the salmonella carrier/shedder status of a flock. Nonetheless, other environmental samples as described in paragraphs (a)(1)(i), (a)(1)(ii), or (a)(3)(iv) of this section shall also be periodically collected.

(i) *Drag-swab sampler assembly*. Drag-swab (DS) samplers may be assembled using two 3- by 3-inch sterile gauze pads; size 20 wrapping twine; and paper clips, staples, or similar fasteners. Fold each gauze pad in half and attach one pad to a 2-foot-long (60 cm) piece of twine and the other to a 1-foot-long (30 cm) piece of twine. To attach a pad to the twine with a paper clip, bend the end wires of the paper clip slightly and push them through the fabric of the folded pad, thus securing the clips to the folded pads; then securely tie the twine to the free rounded end of the paper clip. To attach a pad to the twine with a staple, staple the twine to the pad near the center of the fold, applying the staple at a right angle to the twine and parallel to the fold. (A pretied knot in the free end of the twine will prevent the twine from slipping under the staple during use.) Once the pads and the twine have been attached, securely connect the free ends of both lengths of twine to a small loop tied at the end of a 5-foot-long piece of twine. The resulting assembly resembles the letter Y, with a long vertical stem and two diagonal branches of different lengths with a gauze pad securely attached to the end of each branch. Wrap the twine around each two-pad DS sampler to produce a small bundle. Autoclave the assembled DS sampler bundle and transfer it with sterile forceps or other aseptic method to a resealable sterile bag. Aseptically add 15 mL of double-strength skim milk to the bag and massage the milk into the gauze pads. Seal the bags and store at -20 °C.

(ii) *Procedures and applications for DS samplers.* DS samplers shall be completely thawed prior to use. Complete pad/twine/fastener assemblies shall be used to sample floor litter surfaces; nest box surfaces may be sampled using 3- by 3-inch sterile gauze pads impregnated with double-strength skim milk in the manner described in paragraph (a)(1) of this section. In either instance, the Plan participant collecting the samples shall wear a fresh pair of disposable sterile gloves for each flock or house sampled. Each sampler bag shall be marked with the type of sample (floor litter or nest box surface) and the identity of the house or flock from which the sample was taken.

(iii) *Floor litter sampling technique.* For flocks with fewer than 500 breeders, at least one DS set (two DS pads) shall be dragged across the floor litter surface for a minimum of 15 minutes. For flocks with 500 or more breeders, a minimum of two DS sets (four DS pads) shall be dragged across the floor litter surface for a minimum of 15 minutes per DS set. Upon completion of dragging, lower each DS pad by its attached twine into a separate, resealable sterile bag. Alternatively, each DS set of two pads may be lowered by its attached twine into the storage/transport bag from which the DS set was originally taken. Remove the twine from the pad or DS set by grasping the pad or DS set through the sides of the bag with one hand while pulling on the twine with the other hand until the connection is

[11] Obtain procedure for preparing double strength skim milk from USDA-APHIS ''Recommended Sample Collection Methods for Environmental Samples,'' available from the National Poultry Improvement Plan, Veterinary Services, APHIS, USDA, 1498 Klondike Road, Suite 200, Conyers, GA 30094.

broken. Seal the bags and promptly refrigerate them to between 2 and 4° C. Do not freeze. Discard the twine in an appropriate disposal bag.

(iv) *Nest box sampling technique.* The Plan participant shall collect nest-box samples by using two 3- by 3-inch sterile gauze pads premoistened with double-strength skim milk and wiping the pads over assorted locations in about 10 percent of the total nesting area. Upon completion, place each pad in a separate, resealable sterile bag. Seal the bags and promptly refrigerate them to between 2 and 4° C. Do not freeze.

(v) *Culturing of litter surface and nest box samples.* When refrigerated to between 2 and 4° C, pads impregnated with double-strength skim milk may be stored or batched for 5 to 7 days prior to culturing. Pads shipped singly or paired in a single bag shall not be pooled for culturing but shall be separately inoculated into 60 mL of selective enrichment broth.

(b) *For turkeys.* (1) *Environmental samples.* Fecal material, litter, or dust to be submitted for bacteriological examination should be collected in accordance with the procedures described in paragraphs (b)(1)(i) or (b)(1)(ii) of this section:

(i) *Procedure for sampling in broth.* Authorized laboratories will provide capped tubes 1–2 cm in diameter and 15–20 cm in length which are two-thirds full of a recently made, refrigerated, sterile enrichment broth (Selenite Brilliant Green Sulfapyridine or Tetrathionate Brilliant Green) for each sample. Sufficient tubes should be taken to the premises to provide at least one tube per pen or one tube per 500 birds, whichever is greater. At least one sterile, cotton-tipped applicator will be needed for each tube. The dry applicator is first placed or drawn through fresh manure (under roost, near water troughs, cecal droppings, or diarrhetic droppings). After this and each subsequent streaking, the cotton-tipped applicator is placed in the tube of broth and swirled to remove the collected material. The applicator is then withdrawn and is used for taking additional specimens by streaking on or through areas where defecation, trampling of feces, or settling of dust are common; i.e., on or near waterers, feeders, nests, or rafters, etc. When the volume of material collected equals approximately 10 percent of the volume of the broth (usually 10–12 streakings), the applicator is placed in the tube and the stick is broken in half. The lower or cotton-tipped half is left in the broth, and the upper half is retained for future disposal. The cap is then replaced on the inoculated tube, and the sampling procedure is continued in other areas of the pen.

(ii) *Procedure for sampling in dry containers.* A sample of fecal material, litter, or dust is placed in a sterile, sealable container. The sample shall consist of several specimens of material taken from a representative location in the pen or house. At least 10 g (approximately a heaping tablespoonful) of material shall be collected for each sample. The specimens in each sample shall be collected with a sterile tongue depressor or similar uncontaminated instrument. The samples should vary in type and consistency. Half of the samples should be comprised of material representing defecated matter from a large portion of the flock; i.e., trampled, caked material near waterers and feeders. The minimum number of samples to be taken shall be determined by the following:

Five samples from pens or houses of up to 500 birds;

Ten samples from pens or houses of 500 to 2,500 birds;

Fifteen samples from pens or houses with more than 2,500 birds.

The composite samples above may be pooled to not less than five samples at the laboratory as long as the volume of material collected equals approximately 10 percent of the volume of the broth.

(2) *Cloacal swabs.* Cloacal swabs for bacteriological examination are taken from each bird in the flock or from a minimum of 500 birds in accordance with the procedure described in paragraph (b)(2)(i) of this section.

(i) *Procedure for taking cloacal swabs.* The authorized laboratory will provide sterile capped tubes or other suitable containers and cotton-tipped applicators for use in taking the cloacal swabs. The cotton-tipped applicator is inserted into the cloaca and rectum in

such a manner as to insure the collection of fecal material. The swab and adhering fecal material is then placed in the tube and the stick is broken in half, with the upper half retained for future disposal. The cloacal swabs may be combined in the sterile tubes in multiples of five or in combinations specified by the authorized laboratory.

(ii) [Reserved]

(3) *Drag-swabs.* Drag-swabs for bacteriological examination should involve the exposure of at least six unpooled pads per house to promote representative sampling and some element of quantification.

(i) *Drag-swab assembly.* Assemble drag-swab sampling sets from folded-once 3-by-3-inch sterile gauze pads secured with paper clips. Bend end wires of each paper clip slightly to catch into the swab fabric, thus securing the clips to the folded pads. Use two pads, assembled as described to make each drag-swab sampling set. Securely connect one pad through the free rounded end of the paper clip to a 2-ft (0.6 m) length of size 20 fibrous wrapping twine. Similarly connect the other pad to a 1-ft (0.3 m) length of twine. Then securely connect the free ends of both lengths of twine to a small loop tied at the end of a similar 5-ft length of twine. The resulting assembly resembles the letter Y with a 5-ft long vertical stem and two diagonal branches (one 1 ft long and the other 2 ft long), with a folded swab securely attached at the end of each branch. After assembly, place each two-pad drag-swab sampling set into a sterile bag.

(ii) *Procedure for taking drag-swab.* (A) *Floor litter:* The Plan participants should collect two samples as follows: Drag four 3-by-3-inch sterile gauze pads premoistened with double strength skim milk[12] over the floor litter surface for 15 min minimally. Place the gauze pads used to collect the samples in 18-oz whirl-pack bags, two pads per bag with each bag containing 5 ml of double strength skim milk. This will maintain the moistness of the sample during transport. Mark the bags with the type of sample and the house identification.

(B) *Nest-boxes.* The Plan participant should collect one nest-box sample by using two 3-by-3-inch sterile gauze pads premoistened with double strength skim milk. Wipe the two gauze pads used to collect the sample over assorted locations of about 10 percent of the total nesting area. Place the gauze pads used to collect the sample in an 18-oz whirl-pack bag containing 5 ml of double strength skim milk. Mark the bag with the type of sample and the house identification.

(c) *Chick box papers.* Samples from chick box papers may be bacteriologically examined for the presence of salmonella. The Plan participant may collect the samples in accordance with paragraph (c)(1) of this section or submit chick box papers directly to a laboratory in accordance with paragraph (c)(2) of this section.

(1) Instructions for collecting samples from chick box papers:

(i) Collect 1 chick box paper for each 10 boxes of chicks placed in a house and lay the papers on a clean surface.

(ii) Clean your hands and put on latex gloves. Do not apply disinfectant to the gloves. Change gloves after collecting samples from 10 chick box papers or any time a glove is torn.

(iii) Saturate a sterile 3-by-3 inch gauze pad with double-strength skim milk (see footnote 11 to this section) and rub the pad across the surface of five chick box papers. Rub the pad over at least 75 percent of each paper and use sufficient pressure to rub any dry meconium off the paper. Pouring a small amount of double-strength skim milk (1 to 2 tablespoons) on each paper will make it easier to collect samples.

(iv) After collecting samples from 10 chick box papers, place the two gauze pads used to collect the samples (i.e., one pad per 5 chick box papers) into an 18 oz. Whirl-Pak bag and add 1 to 2 tablespoons of double-strength skim milk.

(v) Promptly refrigerate the Whirl-Pak bags containing the samples and transport them, on ice or otherwise refrigerated, to a laboratory within 48 hours of collection. The samples may

[12] Obtain procedure for preparing double strength skim milk from USDA–APHIS ''Recommended Sample Collection Methods for Environmental Samples'' available from the National Poultry Improvement Plan, Veterinary Services, APHIS, USDA, 1498 Klondike Road, Suite 200, Conyers, GA 30094.

be frozen for longer storage if the Plan participant is unable to transport them to a laboratory within 48 hours.

(2) The Plan participant may send chick box papers directly to a laboratory, where samples may be collected as described in paragraph (c)(1) of this section. To send chick box papers directly to a laboratory, the Plan participant shall:

(i) Collect 1 chick box paper for each 10 boxes of chicks placed in a house and place the chick papers immediately into large plastic bags and seal the bags.

(ii) Place the plastic bags containing the chick box papers in a clean box and transport them within 48 hours to a laboratory. The plastic bags do not require refrigeration.

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[38 FR 13709, May 24, 1973. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 57 FR 57342, Dec. 4, 1992; 59 FR 12805, Mar. 18, 1994; 59 FR 67617, Dec. 30, 1994; 61 FR 11524, Mar. 21, 1996; 62 FR 44070, Aug. 19, 1997; 63 FR 3, Jan. 2, 1998]

§ 147.13 Procedure for bacteriological culturing of eggshells for colon bacilli organisms.

Proper precautions to avoid environmental contamination of the samples during the collection and laboratory process, and proper handling of the samples following collection are essential. Each State Inspector involved in eggshell culture activities must receive instruction in the necessary sanitation procedures, sampling procedures, and sample handling by the authorized laboratory involved. The Official State Agency will maintain a record showing that the required instruction was given to each State Inspector.

(a) *Sample selection.* Forty (40) eggs in the top flats of each of three randomly selected cases of sanitized eggs from each flock will be utilized for each sampling.

(b) *Swab procedure.* A 2.5 centimeter diameter circular area of the large end of each of the eggs will be rubbed with a sterile swab previously moistened with sterile lactose broth, or other suitable liquid media provided by the authorized laboratory. One swab will be used for five eggs, and four swabs will be pooled to each sterile, capped tube provided by the authorized laboratory.

(1) From the tube containing four swabs and lactose broth or other suitable media, 1 ml. will be transferred to 10 ml. lactose in a fermentation tube.

(2) Incubate at 37° C for 48 hours. The presence of acid, and gas in the amount of 10 percent or more after 24 and 48 hours of incubation, provides a presumptive conclusion of the presence of colon bacilli organisms.

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[41 FR 14256, Apr. 2, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 59 FR 12805, Mar. 18, 1994]

§ 147.14 Procedures to determine status and effectiveness of sanitation monitored program.

The following monitoring procedures[13] may be applied at the discretion of the Official State Agency:

(a) Monitor effectiveness of sanitation program.

(1) Culture the surface of cased eggs periodically for fecal contaminating organisms as described in § 147.13.

(2) Culture a sample of dead-in-shell eggs periodically from each breeding flock for coliforms. Such eggs should also be cultured for the dependable recovery of *salmonellae*. Culturing for the dependable recovery of *salmonellae* should include the use of:

(i) Preenrichment broths supplemented with 35 mg ferrous sulfate per 1,000 ml preenrichment to block iron-binding, *Salmonella*-inhibiting effects of egg conalbumin; and

(ii) Tetrathionate selective enrichment broths, competitor-controlling plating media (XLT4, BGN, etc.), delayed secondary enrichment procedures, and colony lift assays detailed in

[13] Laboratory procedures for monitoring operations proposed here are described in the following two publications: Isolation and Identification of Avian Pathogens, American Association of Avian Pathologists, University of Pennsylvania, New Bolton Center, Kennett Square, Pennsylvania 19348—1692, 1980, and Culture Methods for the Detection of Animal Salmonellosis and Arizonosis, Iowa State University Press, Ames, Iowa 50010, 1976.

paragraph (a)(5) and illustration 2 of § 147.11.

[41 FR 48726, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 57 FR 57343, Dec. 4, 1992; 59 FR 12805, Mar. 18, 1994; 59 FR 59640, Nov. 18, 1994; 61 FR 11524, 11525, Mar. 21, 1996]

§ 147.15 Laboratory procedure recommended for the bacteriological examination of mycoplasma reactors.[14]

(a) Turbinates, trachea, air sacs, sinuses, nasal passages, respiratory exudates, synovial fluid, eggs (including yolk, yolk sacs, membranes and allantoic fluid), should be directly sampled with sterile swabs. Aseptic techniques are very important as some organisms may not be suppressed by the antimicrobial agents used in this procedure. Tissue suspensions from large volumes are sometimes desirable from the sites listed above and occasionally from the oviduct and cloaca. Tissues should be ground or blended completely in 10 times their volume of Mycoplasma Broth Medium (MBM). (See paragraph (f) of this section.) Specimens submitted to referral laboratories in order of preference for recovery of the mycoplasma organisms are: (1) live birds, (2) refrigerated fresh tissues, (3) tissue specimens packed with dry ice.

(b) Inoculate 5–10 ml of MBM with a swab, wire loop or 0.1 ml of the tissue suspension. When evidence of growth is observed (lowered pH or turbidity of broth) transfer each broth culture as needed to maintain the original isolates. Incubate tubes at 37°C for at least 21 days before discarding as negative. When growth is first observed or if no growth occurs by the *4th or 5th* day of incubation, inoculate broth culture onto a plate of Mycoplasma Agar Medium (MAM). (See paragraph (g) of this section.) Several cultures may be inoculated on one plate by using a wire loop or a cotton swab. Incubate plates 3–5 days at 37°C in a high humidity chamber. If preferred, 5 percent CO^2 may be added or a candle jar may be used. Tiny circular and translucent colonies with elevated centers are very suggestive of mycoplasma. Indirect lighting and a low power or dissecting microscope are recommended for observation of the colonies as they are rarely more than 0.2–0.3 mm in diameter.

(c) Isolates must be serotyped.

(1) Isolates may be shipped in MBM with ice packs if shipment will be in transit less than 2–3 days. Longer shipments require freezing of the MBM with dry ice, or shipping MAM slants at room temperature. Isolates must have indications of growth before shipment is made.

(2) Isolates may be stored in MBM at −20°C for 2–3 weeks, or they may be stored at −68°C for several years.

(d) Alternate method of culture: An overlay enrichment culture for fastidious and sensitive mycoplasma, especially for *M. meleagridis* should be included.

(1) Pour 2–3 ml of MAM into a test tube and tilt the tube until a slant (approximately 45°) is obtained. Other containers are acceptable.

(2) Overlay the slant with sufficient MBM, so that the media (including inoculum) covers the agar slope.

(3) Inoculate the culture as indicated in paragraph (b) of this section.

(4) Incubate and examine the overlay as indicated in paragraph (b) of this section.

(e) Preparation of media components:[15]

(1) Deionized distilled water suitable for cell culture fluids should be used.

(2) All glassware should be carefully washed with a nonresidue detergent such as Alcojet and rinsed three times in tap water and twice in deionized distilled water.[16]

(3) Thallium acetate in a 10 percent solution is added to an approximate final concentration of 1:4000; however,

[14] Yoder, H. W., Jr., ''Mycoplasmosis.'' In: Isolation and Identification of Avian Pathogens. (Stephen B. Hitchner, Chairman, Charles H. Domermuth, H. Graham Purchase, James E. Williams.) 1980, pp. 40–42, Creative Printing Company, Inc., Endwell, NY 13760.

[15] Trade names are used in these procedures solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement over other products not mentioned.

[16] Alcojet is available from: Alconox, Inc., New York, NY 10003.

highly contaminated specimens may require a final concentration of 1:2000.[17] Thallium acetate is added to deionized distilled water first, except as noted in paragraph (e)(4) of this section, to prevent the precipitation of proteins.

(4) Mycoplasma Broth Base, dextrose, phenol red, and cysteine hydrochloride are added to deionized distilled water first if autoclave sterilization is used.[18] Thallium acetate and then the remaining components are added aseptically after cooling the autoclaved media to 45°C or less.

(5) Use sterile deionized distilled water to reconstitute penicillin.

(6) Sterile serum should be inactivated by heating at 56°C for 30 minutes. Swine serum may be used for *M. gallisepticum, M. synoviae, M. gallinarum,* and *M. meleagridis* isolation; however, horse serum is usually recommended for *M. meleagridis* isolation.

(7) Phenol red should be prepared as a 1 percent solution.

(8) NAD (beta nicotinamide adenine dinucleotide or coenzyme I) should be prepared as a 1 percent solution.[19]

(9) Cysteine hydrochloride, prepared as a 1 percent solution, is used to reduce the NAD for *M. synoviae* growth.

(10) A purified agar product such as Nobel (Special agar) is used in the MAM.[20]

(11) Adjust the pH with NaOH.

(12) Sterilization may be accomplished by two methods:

(i) Filtration sterilization through a 0.20 micron filter is the recommended method. Aseptic techniques must be utilized.

(ii) Autoclave sterilization at 120°C, 15 pounds pressure (103 kPa), for 15 minutes may be used, if preferred, when following the procedure described in paragraph (e)(4) of this section.

(13) Phenol red, dextrose, and NAD may be omitted when culturing for *M. meleagridis* and *M. gallinarum.*

(14) When culturing for *M. meleagridis* from contaminated samples include 100 units/ml of Polymyxin B in MBM.

(f) Mycoplasma Broth Medium (Frey) is prepared as follows: To 850–880 ml of deionized distilled water;

Add:

Thallium acetate (ml)—2.5 (1:4000)
Potentially contaminated samples (ml)—5.0 (1:2000)
Mycoplasma Broth Base (g)—22.5
Aqueous penicillin (units)—500,000
Sterile serum (ml)—120 to 150.0
Phenol red plus (ml)—2.5
NAD (ml)—12.5
Cysteine hydrochloride (ml)—12.5
Dextrose (g)—1.0–1.5
Adjust pH to 7.8
Filter sterilize

(1) Broth may be stored at 4°C for at least 2 weeks or at −40°C for longer periods.

(g) Mycoplasma Agar Medium (Frey) is prepared as follows: To 850–880 ml of deionized distilled water;

Add:

Mycoplasma Broth Base (g)—22.5
Adjust pH to 7.8
Purified agar (g)—12.0
Autoclave and cool in 45°C water bath
Thallium acetate (ml)—2.0; (1:4000)
Sterile serum at 45°C (ml)—150.0
Aqueous penicillin (units)—400,000
NAD (ml)—12.5
Cysteine hydrochloride (ml)—12.5

(1) Rotate flask gently and pour about 15 ml of media into each petri dish.

(2) Stack petri dishes only 2–3 high in a 37°C incubator up to 2 hours to remove excess moisture.

(3) Wrap inverted plates in sealed bundles and store at 4°C for not more than 15 days.

(h) New component or media batches should be monitored to compensate for changes in formulation due to alterations of purity, concentration, preparation, etc. A known series of titrations from a single culture should be made on both new and old media. The media should be compared on the basis

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[17] Thallium acetate may be obtained from Fischer Scientific Company.

[18] Mycoplasma Broth Base may be obtained from: (a) Product #M 33600, Gibco Diagnostics, 2801 Industrial Drive, Madison, WI 53711. (b) Product #3900–3212, Scott Laboratories, Inc., 8 Westchester Plaza, Elmsford, NY 10523.

[19] NAD Grade III may be obtained from: Sigma Chemical Company, P.O. Box 14508, St. Louis, MO 63178.

[20] Noble Agar may be obtained from: Difco Laboratories, Box 1058–A, Detroit, MI 48201.

of growth, colony size, and numbers of colonies which develop.[21]

[47 FR 21995, May 20, 1982, as amended at 57 FR 57343, Dec. 4, 1992; 59 FR 12805, Mar. 18, 1994; 61 FR 11524, Mar. 21, 1996]

§ 147.16 Procedure for the evaluation of mycoplasma reactors by in vivo bio-assay (enrichment).

This procedure has been shown to be sensitive enough to detect less than 100 mycoplasma organisms under proper conditions.[22] Proper conditions are defined in this section.

(a) Obtain chickens or turkeys (test birds) which are at least 3 weeks of age and are free of *M. gallisepticum, M. synoviae,* and *M. meleagridis* and transport them in a manner to prevent their being contaminated by any infectious avian disease.

(1) Maintain test birds in an area that has been effectively cleaned and disinfected.

(2) The area should be isolated from other birds or animals.

(3) Personnel caring for the test birds should take the necessary precautions (see § 147.26(b)) to prevent the mechanical transfer of infectious avian diseases from other sources.

(b) Test birds to be used for inoculation with contaminated tissues should be serologically negative by the serum plate agglutination test.

(1) Inoculated test birds should be isolated from non-inoculated control birds for the length of any experiment.

(c) Aseptically obtain tracheal, turbinate, and sinus mucosa, lung and sinus exudates, cervical, thoracic, and abdominal airsac tissues (including lesions), and portions of oviduct and synovial fluid from at least four suspect, donor birds. In a sterile device, blend the tissues completely in four times their volume of Mycoplasma Broth Medium (Frey), (see § 147.15(f)). Suspensions may be made from tissue pools. Inoculate test birds within 30 minutes for preparation of suspensions.

(1) Inoculate at least four test birds for each suspension pool via the abdominal air sac and infraorbital sinus, with up to ½ ml of inoculum per site.

(2) Test birds should be bled every 7 days for 35 days to identify sero-converters.

(3) At 35 days, test birds should be sacrificed and bacteriologic isolation and identification of mycoplasma attempted (see § 147.15). Note especially the sites of inoculation for typical gross or microscopic mycoplasma lesions.

(d) Donor birds are considered infected when:

(1) Test birds have serum plate antibodies for the mycoplasma for which the donor birds were tested, regardless of HI test results, *and* control birds stay serologically negative; or

(2) Mycoplasma organisms are isolated from the test birds and serotyped positive for the mycoplasma for which the donor birds were tested, *and* control birds stay serologically and culturally negative.

(e) Laboratory findings may be verified by direct cultures of material from sick birds or by inoculating seronegative birds from the suspect flock and comparing serological findings with those from the test birds.

[47 FR 21996, May 20, 1982, as amended at 57 FR 57343, Dec. 4, 1992; 59 FR 12805, Mar. 18, 1994; 61 FR 11524, Mar. 21, 1996]

§ 147.17 Laboratory procedure recommended for the bacteriological examination of cull chicks for salmonella.

The laboratory procedure described in this section is recommended for the bacteriological examination of cull chicks from egg-type and meat-type chicken flocks and waterfowl, exhibition poultry, and game bird flocks for salmonella.

(a) From 25 randomly selected 1- to 5-day-old chicks that have not been placed in a brooding house, prepare 5

[21] ''Laboratory Procedures and Medium For The Isolation Of Mycoplasma From Clinical Materials.'' *Laboratory Diagnosis of Mycoplasma in Food Animals,* Proceedings of Nineteenth Annual Meeting, The American Association of Veterinary Laboratory Diagnosticians, 1976, pp. 106–115, AAVLD, 6101 Mineral Point Road, Madison, WI 53705.

[22] Research results are described in the following two publications: (a) Bigland, C. H. and A. J. DaMassa, ''A Bio-Assay for Mycoplasma Gallisepticum.'' In: United States Livestock Sanitary Association Proceedings, 67th, 1963, pp. 541–549. (b) McMartin, D. A., ''Mycoplasma Gallisepticum in the Respiratory Tract of the Fowl.'' In: The Veterinary Record, September 23, 1967, pp. 317–320.

organ pools, 5 yolk pools, and 5 intestinal tissue pools as follows:

(1) *Organ pool:* From each of five chicks, composite and mince 1- to 2-gram samples of heart, lung, liver, and spleen tissues and the proximal wall of the bursa of Fabricius.

(2) *Yolk pool:* From each of five chicks, composite and mince 1- to 2-gram samples of the unabsorbed yolk sac or, if the yolk sac is essentially absent, the entire yolk stalk remnant.

(3) *Intestinal pool:* From each of five chicks, composite and mince approximately 0.5 cm^2 sections of the crop wall and 5-mm-long sections of the duodenum, cecum, and ileocecal junction.

(b) Transfer each pool to tetrathionate selective enrichment broth (Hajna or Mueller-Kauffmann) at a ratio of 1 part tissue pool to 10 parts broth.

(c) Repeat the steps in paragraphs (a) and (b) of this section for each five-chick group until all 25 chicks have been examined, producing a total of 15 pools (5 organ, 5 yolk, and 5 intestinal).

(d) Culture the 15 tetrathionate pools as outlined for selective enrichment in illustration 2 of §147.11. Incubate the organ and yolk pools for 24 hours at 37 °C and the intestinal pools at 41.5 °C. Plate as described in illustration 2 of §147.11 and examine after both 24 and 48 hours of incubation. Confirm suspect colonies as described. Further culture all salmonella-negative tetrathionate broths by delayed secondary enrichment procedures described for environmental, organ, and intestinal samples in illustration 2 of §147.11. A colony lift assay may also be utilized as a supplement to TSI and LI agar picks of suspect colonies.

[61 FR 11525, Mar. 21, 1996]

Subpart C—Sanitation Procedures

§147.21 Flock sanitation.

To aid in the maintenance of healthy flocks, the following procedures should be practiced:

(a) Baby poultry should be started in a clean brooder house and maintained in constant isolation from older birds and other animals. Personnel that are in contact with older birds and other animals should take precautions, including disinfection of footwear and change of outer clothing, to prevent the introduction of infection through droppings that may adhere to the shoes, clothing, or hands. (See §147.24(a).)

(b) Range used for growing young stock should not have been used for poultry the preceding year. Where broods of different ages must be kept on the same farm, there should be complete depopulation of brooder houses and other premises following infection of such premises by any contagious disease.

(c) Poultry houses should be screened and proofed against free-flying birds. An active rodent eradication campaign is an essential part of the general sanitation program. The area adjacent to the poultry house should be kept free from accumulated manure, rubbish, and unnecessary equipment. Dogs, cats, sheep, cattle, horses, and swine should never have access to poultry operations. Visitors should not be admitted to poultry areas, and authorized personnel should take the necessary precautions to prevent the introduction of disease.

(d) Poultry houses and equipment should be thoroughly cleaned and disinfected prior to use for a new lot of birds. (See §147.24(a).) Feed and water containers should be situated where they cannot be contaminated by droppings and should be frequently cleaned and disinfected. Dropping boards or pits should be constructed so birds do not have access to the droppings.

(e) Replacement breeders shall be housed at the proper density consistent with the type of building and locality and which will allow the litter to be maintained in a dry condition. Frequent stirring of the litter may be necessary to reduce excess moisture and prevent surface accumulation of droppings. Slat or wire floors should be constructed so as to permit free passage of droppings and to prevent the birds from coming in contact with the droppings. Nesting areas should be kept clean and, where appropriate, filled with clean nesting material.

(f) When an outbreak of disease occurs in a flock, dead or sick birds should be taken, by private carrier, to a diagnostic laboratory for complete examination. All Salmonella cultures

isolated should be typed serologically, and complete records maintained by the laboratory as to types recovered from each flock within an area. Records on isolations and serological types should be made available to Official State Agencies or other animal disease control regulatory agencies in the respective States for followup of foci of infection. Such information is necessary for the development of an effective Salmonella control program.

(g) Introduction of started or mature birds should be avoided to reduce the possible hazard of introducing infectious diseases. If birds are to be introduced, the health status of both the flock and introduced birds should be evaluated.

(h) In rearing broiler or replacement stock, a sound and adequate immunization program should be adopted. Since different geographic areas may require certain specific recommendations, the program recommended by the State experiment station or other State agencies should be followed.

(i) Feed, pelleted by heat process, should be fed to all age groups. Proper feed pelleting procedures can destroy many disease producing organisms contaminating feedstuffs.

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[36 FR 23121, Dec. 3, 1971, as amended at 41 FR 14257, Apr. 2, 1976; 41 FR 48726, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 50 FR 19900, May 13, 1985; 59 FR 12805, Mar. 18, 1994]

§ 147.22 Hatching egg sanitation.

Hatching eggs should be collected from the nests at frequent intervals and, to aid in the prevention of contamination with disease causing organisms, the following practices should be observed:

(a) Cleaned and disinfected containers should be used in collecting the eggs, and precautions taken to prevent contamination from organisms that may be present on the hands or clothing of the person making the collection.

(b) Dirty eggs should not be used for hatching purposes and should be collected in a separate container from hatching eggs. Slightly soiled eggs may be dry cleaned by hand or motor driven buffer.

(c) The visibly clean eggs should be fumigated (see § 147.25) or sanitized as soon as possible after collection. The sanitized eggs shall be stored in a cool place at temperatures which will prevent the eggs from sweating at any time.

(d) Egg handlers should thoroughly wash their hands with soap and water and change to clean outer garments prior to handling the sanitized eggs. Sanitized eggs should be immediately removed from the cleaning and grading area and preferably removed to a separate clean and sanitized room. A wall-installed fumigation cabinet (or authorized sanitizing equipment) through which eggs can be passed from the receiving and cleaning area to the sanitary packing and storage areas is a good practice.

(e) The sanitized eggs should be placed in new flats or sanitized reusable flats or racks. New or clean, fumigated, or otherwise sanitized used cases should be utilized for packing. Proper temperature and humidity in the egg cleaning, packing, and storage areas should be maintained. Eggs should be stored no longer than necessary before setting.

(f) The entire egg processing area should be cleaned and sanitized daily on a routine basis; dust, insects, feathers, and other airborne debris should be effectively controlled to prevent recontamination of sanitized eggs. Ink stamps and pads shall be maintained in a sterile condition.

(g) The egg processing building or area should be designed, located, and constructed of such materials as to assure that proper egg sanitation procedures can be carried out, and that the building itself can be easily, effectively, and routinely sanitized. The egg processing building or area should be considered part of a hatchery and the same construction details and physical and personnel sanitation requirements implemented.

[36 FR 23121, Dec. 3, 1971, as amended at 41 FR 14257, Apr. 2, 1976; 41 FR 48726, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19806, May 10, 1984; 57 FR 57343, Dec. 4, 1992; 63 FR 3, Jan. 2, 1998]

§ 147.23 Hatchery sanitation.

An effective program for the prevention and control of Salmonella and other infections should include the following measures:

(a) The hatchery building should be arranged so that separate rooms, with separate ventilation, are provided for each of the four operations: Egg receiving, incubation and hatching, holding of baby poultry, and disposal of offal and cleaning of trays. These rooms should be placed under isolation so that admission is granted only to specifically authorized personnel who have taken proper precautions to prevent introduction of disease.

(b) The hatchery rooms, and tables, racks, and other equipment in them should be thoroughly cleaned and disinfected frequently. All hatchery wastes and offal should be burned or otherwise properly disposed of, and the containers used to remove such materials should be cleaned and sterilized after each use.

(c) The hatching compartments of incubators, including the hatching trays, should be thoroughly cleaned and fumigated or otherwise sanitized after each hatch.

(d) Only clean eggs should be used for hatching purposes. All eggs set should be fumigated or otherwise sanitized prior to setting or as soon as possible (preferably within 12 hours) after they are placed in the incubator. They should also be fumigated or otherwise sanitized after transfer to a separate hatcher. (See § 147.25.)

(e) Only new or clean, fumigated or otherwise sanitized egg cases should be used for transportation of hatching eggs. Soiled egg case fillers should be destroyed.

(f) Day-old chicks, poults, or other newly hatched poultry should be distributed in clean, new boxes. All crates and vehicles used for transporting started or adult birds should be cleaned and disinfected after each use.

[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19806, May 10, 1984; 57 FR 57343, Dec. 4, 1992]

§ 147.24 Cleaning and disinfecting.

The following procedures are recommended:

(a) In the poultry houses, hatchery rooms and delivery trucks:

(1) Settle dust by spraying lightly with the disinfectant to be used.

(2) Remove all litter and droppings to an isolated area where there is no opportunity for dissemination of any infectious disease organisms that may be present. Housing where poultry infected with a mycoplasmal disease were kept should remain closed for 7 days before removal of the litter.

(3) Scrub the walls, floors, and equipment with a hot soapy water solution. Rinse to remove soap.

(4) Spray with a disinfectant which is registered by the Environmental Protection Agency as germicidal, fungicidal, pseudomonocidal, and tuberculocidal, in accordance with the specifications for use, as shown on the label of such disinfectant.

(b) In the hatchers:

(1) Remove trays and all controls and fans for separate cleaning. The ceiling, walls, and floors should be thoroughly wetted with a stream of water; then scrubbed with a hard bristle brush. Rinse until there is no longer any deposit on the walls, particularly near the fan opening.

(2) Replace the cleaned fans and controls. Replace the trays, preferably still wet from cleaning, and bring the incubator to normal operating temperature.

(3) The hatcher should be fumigated (see § 147.25) or otherwise sanitized prior to the transfer of the eggs.

(c) If the same machine is used for incubating and hatching, the entire machine should be cleaned after each hatch. A vacuum cleaner should be used to remove dust and down from the egg trays; then the entire machine should be vacuumed, mopped, and fumigated (see § 147.25) or otherwise sanitized.

[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19806, May 10, 1984; 57 FR 57343, Dec. 4, 1992; 63 FR 3, Jan. 2, 1998]

§ 147.25 Fumigation.

Fumigation may be used for sanitizing eggs and hatchery equipment as an essential part of a sanitation program. APHIS disclaims any liability in the use of formaldehyde for failure on

the part of the user to adhere to the Occupational Safety and Health Administration (OSHA) standards for formaldehyde fumigation, published in the Dec. 4, 1987, FEDERAL REGISTER (52 FR 46168, Docket Nos. H–225, 225A, and 225B).

[36 FR 23121, Dec. 3, 1971, as amended at 41 FR 14257, Apr. 2, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19807, May 10, 1984; 54 FR 23958, June 5, 1989; 57 FR 57343, Dec. 4, 1992]

§ 147.26 Procedures for establishing isolation and maintaining sanitation and good management practices for the control of Salmonella and Mycoplasma infections.

(a) The following procedures are required for participation under the U.S. Sanitation Monitored, U.S. M. Gallisepticum Clean, U.S. M. Synoviae Clean, U.S. S. Enteritidis Monitored, and U.S. S. Enteritidis Clean classifications:

(1) Allow no visitors except under controlled conditions which insure sanitation. Such conditions shall be approved by the Official State Agency and the Service;

(2) Maintain breeder flocks on farms free from market birds, or follow proper isolation procedures as approved by the Official State Agency;

(3) Eliminate other domesticated fowl from breeder farm;

(4) Dispose of all dead birds by burning, deep burial, or by putting them into special disposal pits.

(b) Recommended procedures:

(1) Avoid the introduction of Salmonella, Mycoplasma gallisepticum, or Mycoplasma synoviae infected poultry;

(2) Prevent indirect transmission from outside sources through contaminated equipment, footwear, clothing, vehicles, or other mechanical means;

(3) Provide adequate isolation of breeder flocks to avoid airborne transmission from infected flocks;

(4) Minimize contact of breeder flocks with free-flying birds;

(5) Keep the rodent population and other pests under control;

(6) Tailor vaccination programs to needs of farm and area;

(7) Clean and disinfect equipment after each use;

(8) Provide clean footwear and provide an adequate security program;

(9) Clean and disinfect houses before introducing a new flock;

(10) Use well-drained range;

(11) Use clean, dry litter free of mold;

(12) Keep accurate records of death losses;

(13) Seek services of veterinary diagnostician if unaccountable mortality or signs of disease occur;

(14) Adopt and maintain a clean-egg program.

(15) Use only crates and vehicles that have been cleaned and disinfected in accordance with the provisions of § 147.24(a) to haul live poultry to and from the premises.

(Approved by the Office of Management and Budget under control number 0579–0007)

[36 FR 23121, Dec. 3, 1971, as amended at 40 FR 1504, Jan. 8, 1975; 41 FR 48727, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979; 47 FR 746, Jan. 7, 1982; 47 FR 21996, May 20, 1982; 48 FR 57473, Dec. 30, 1983; 61 FR 11525, Mar. 21, 1996]

§ 147.27 Procedures recommended to prevent the spread of disease by artificial insemination of turkeys.

(a) The vehicle transporting the insemination crew should be left as far as practical from the turkey pens.

(b) The personnel of the insemination crew should observe personal cleanliness, including the following sanitary procedures:

(1) Outer clothing should be changed between visits to different premises so that clean clothing is worn upon entering each premises. The used apparel should be kept separate until laundered. This also applies to gloves worn while handling turkeys;

(2) Boots or footwear should be cleaned and disinfected between visits to different premises;

(3) Disposable caps should be provided and discarded after use on each premises.

(c) The use of individual straw or similar technique is highly recommended. Insemination equipment which is to be reused should be cleaned and disinfected before reusing. Equipment used for the convenience of the workers should not be moved from premises to premises.

(d) No obviously diseased flock should be inseminated. If evidence of

active disease is noted after insemination is begun, operations should be stopped and the hatchery notified.

(e) Care should be taken during the collection of semen to prevent fecal contamination. If fecal material is present, it should be removed before the semen is collected. Likewise, care should be taken not to introduce fecal material into the oviduct of the hen.

Subpart D [Reserved]

Subpart E—Procedure for Changing National Poultry Improvement Plan

§ 147.41 Definitions.

Except where the context otherwise requires, for the purposes of this subpart the following terms shall be construed, respectively, to mean:

Department. The U.S. Department of Agriculture.

Egg type chickens. Chickens bred for the primary purpose of producing eggs for human consumption.

Exhibition Poultry. Domesticated fowl which are bred for the combined purposes of meat or egg production and competitive showing.

Game birds. Domesticated fowl, such as pheasants, partridge, quail, grouse, and guineas, but not doves and pigeons.

Meat type chickens. Chickens bred for the primary purpose of producing meat.

Plan Conference. A meeting convened for the purpose of recommending changes in the provisions of the Plan.

Plan or NPIP. The National Poultry Improvement Plan.

Service. The Animal and Plant Health Inspection Service, Veterinary Services, of the Department.

State. Any State, the District of Columbia, or Puerto Rico.

Waterfowl. Domesticated fowl that normally swim, such as ducks and geese.

[36 FR 23121, Dec. 3, 1971, as amended at 38 FR 3038, Feb. 1, 1973. Redesignated at 44 FR 61586, Oct. 26, 1979; 59 FR 12805, Mar. 18, 1994]

§ 147.42 General.

Changes in this subchapter shall be made in accordance with the procedure described in this subpart: *Provided,* That the Department reserves the right to make changes in this subchapter without observance of such procedure when such action is deemed necessary in the public interest.

§ 147.43 General Conference Committee.

(a) The General Conference Committee Chairperson and the Vice Chairperson shall be elected by the members of the General Conference Committee. A representative of the Animal and Plant Health Inspection Service will serve as Executive Secretary and will provide the necessary staff support for the General Conference Committee. The General Conference Committee shall consist of one member-at-large who is a participant in the National Poultry Improvement Plan and one member to be elected, as provided in paragraph (b) of this section, from each of the following regions:

(1) North Atlantic: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania.

(2) East North Central: Ohio, Indiana, Illinois, Michigan, and Wisconsin.

(3) West North Central: Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas.

(4) South Atlantic: Delaware, District of Columbia, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, and Puerto Rico.

(5) South Central: Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas.

(6) Western: Montana, Idaho, Wyoming, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii.

(b) The regional committee members and their alternates will be elected by the official delegates of the respective regions and the member-at-large will be elected by all official delegates. There shall be at least two nominees for each position, and the voting shall be by secret ballot.

(c) Three regional members shall be elected at each Plan Conference. All members shall serve for a period of 4 years, subject to the continuation of

the Committee by the Secretary of Agriculture, and may not succeed themselves: *Provided,* That an alternate member who assumed a Committee member vacancy following mid-term would be eligible for re-election to a full term. When there is a vacancy for the member-at-large position, the General Conference Committee shall make an interim appointment and the appointee shall serve until the next Plan Conference at which time an election will be held. If a vacancy occurs due to both a regional member and alternate being unable to serve, the vacant position will be filled by an election at the earliest regularly scheduled national or regional Plan Conference, where members of the affected region have assembled.

(d) The duties and functions of the General Conference Committee shall be as follows:

(1) Assist the Department in planning, organizing, and conducting the biennial National Poultry Improvement Plan Conference.

(2) Recommended whether new proposals (i.e., proposals that have not been submitted as provided in §147.44) should be considered by the delegates to the Plan Conference.

(3) During the interim between Plan Conferences, represent the cooperating States in:

(i) Advising the Department with respect to administrative procedures and interpretations of the Plan provisions as contained in 9 CFR.

(ii) Assisting the Department in evaluating comments received from interested persons concerning proposed amendments to the Plan provisions.

(iii) Recommending to the Secretary of Agriculture any changes in the provisions of the Plan as may be necessitated by unforeseen conditions when postponement until the next Plan Conference would seriously impair the operation of the program. Such recommendations shall remain in effect only until confirmed or rejected by the next Plan Conference, or until rescinded by the committee.

(4) Serve as a forum for the study of problems relating to poultry health and as the need arises, to make specific recommendations to the Secretary of Agriculture concerning ways in which the Department may assist the industry in solving these problems.

[36 FR 23121, Dec. 3, 1971, as amended at 40 FR 1505, Jan. 8, 1975. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10316, Feb. 15, 1980; 47 FR 21996, May 20, 1982; 50 FR 19900, May 13, 1985; 59 FR 12805, Mar. 18, 1994; 61 FR 11525, Mar. 21, 1996]

§ 147.44 Submitting, compiling, and distributing proposed changes.

(a) Changes in this subchapter may be proposed by any participant, Official State Agency, the Department, or other interested person or industry organization.

(b) Except as provided in §147.43(d)(2), proposed changes shall be submitted in writing so as to reach the Service not later than 150 days prior to the opening date of the Plan Conference, and participants in the Plan shall submit their proposed changes through their Official State Agency.

(c) The name of the proponent shall be indicated on each proposed change when submitted. Each proposal should be accompanied by a brief supporting statement.

(d) The Service will notify all persons on the NPIP mailing lists concerning the dates and general procedure of the conference. Hatchery and dealer participants will be reminded of their privilege to submit proposed changes and to request copies of all the published proposed changes.

(e) The proposed changes, together with the names of the proponents and supporting statements, will be compiled by the Service and issued in processed form. When two or more similar changes are submitted, the Service will endeavor to unify them into one proposal acceptable to each proponent. Copies will be distributed to officials of the Official State Agencies cooperating in the NPIP. Additional copies will be made available for meeting individual requests.

[36 FR 23121, Dec. 3, 1971. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 49 FR 19807, May 10, 1984]

§ 147.45 Official delegates.

Each cooperating State shall be entitled to one official delegate for each of the programs prescribed in subparts B, C, D, and E of part 145 of this chapter

in which it has one or more participants at the time of the Conference. The official delegates shall be elected by a representative group of participating industry members and be certified by the Official State Agency. It is recommended but not required that the official delegates be Plan participants. Each official delegate shall endeavor to obtain, prior to the Conference, the recommendations of industry members of his State with respect to each proposed change.

[41 FR 48727, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979, and amended at 45 FR 10317, Feb. 15, 1980]

§ 147.46 Committee consideration of proposed changes.

(a) The following four committees shall be established to give preliminary consideration to the proposed changes falling in their respective fields:

(1) Egg-type chickens.

(2) Meat-type chickens.

(3) Turkeys.

(4) Waterfowl, exhibition poultry, and game birds.

(b) Each official delegate shall be appointed a voting member in one of the committees specified in paragraph (a) of this section.

(c) Since several of the proposals may be interrelated, the committees shall consider them as they may relate to others, and feel free to discuss related proposals with other committees.

(d) The committees shall make recommendations to the conference as a whole concerning each proposal. The committee report shall show any proposed change in wording and the record of the vote on each proposal, and suggest an effective date for each proposal recommended for adoption. The individual committee reports shall be submitted to the chairman of the conference, who will combine them into one report showing, in numerical sequence, the committee recommendations on each proposal.

(e) The committee meetings shall be open to any interested person. Advocates for or against any proposal should feel free to appear before the appropriate committee and present their views.

[36 FR 23121, Dec. 3, 1971, as amended at 41 FR 48727, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979]

§ 147.47 Conference consideration of proposed changes.

(a) The chairman of the conference shall be a representative of the Department.

(b) At the time designated for voting on proposed changes by the official delegates, the chairman of the General Conference Committee and the four committee chairmen shall sit at the speaker's table and assist the chairman of the conference.

(c) Each committee chairman shall present the proposals which his committee approves or recommends for adoption as follows: ''Mr. Chairman. The committee for Egg-type chickens recommends the adoption of Proposal No. ———, for the following reasons (stating the reasons): I move the adoption of Proposal No. ———.'' A second will then be called for. If the recommendation is seconded, discussion and a formal vote will follow.

(d) Each committee chairman shall present the proposals which his committee does not approve as follows: ''Mr. Chairman. The Committee for Egg-type chickens does not approve Proposal No. ———.'' The chairman will then ask if any official delegate wishes to move for the adoption of the proposal. If moved and seconded, the proposal is subject to discussion and voted. If there is no motion for approval, or if moved but not seconded, there can be no discussion or vote.

(e) Discussion on any motion must be withheld until the motion has been properly seconded, except that the delegate making the motion is privileged, if he desires, to give reasons for his motion at the time of making it. To gain the floor for a motion or for discussion on a motion, the official delegate in the case of a motion, or anyone in case of discussion on a motion, shall rise, address the chair, give his name and State, and be recognized by the chair before proceeding further. While it is proper to accept motions only from official delegates and to limit voting only to such delegates, it is, however,

equally proper to accept discussion from anyone interested. To conserve time, discussion should be pointed and limited to the pertinent features of the motion.

(f) Proposals that have not been submitted in accordance with § 147.44 will be considered by the conference only with the unanimous consent of the General Conference Committee. Any such proposals must be referred to the appropriate committee for consideration before being presented for action by the conference.

(g) Voting will be by States, and each official delegate, as determined by § 147.45, will be allowed one vote on each proposal pertaining to the program prescribed by the subpart which he represents.

(h) A roll call of States for a recorded vote will be used when requested by a delegate or at the discretion of the chairman.

(i) All motions on proposed changes shall be for adoption.

(j) Proposed changes shall be adopted by a majority vote of the official delegates present and voting.

(k) The conference shall be open to any interested person.

[36 FR 23121, Dec. 3, 1971, as amended at 41 FR 48727, Nov. 5, 1976. Redesignated at 44 FR 61586, Oct. 26, 1979]

§ 147.48 Approval of conference recommendations by the Department.

Proposals adopted by the official delegates will be recommended to the Department for incorporation into the provisions of the NPIP. The Department reserves the right to approve or disapprove the recommendations of the conference as an integral part of its sponsorship of the National Poultry Improvement Plan.

SUBCHAPTER H—ANIMAL BREEDS

PART 151—RECOGNITION OF BREEDS AND BOOKS OF RECORD OF PUREBRED ANIMALS

DEFINITIONS

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151.1 Definitions.

CERTIFICATION OF PUREBRED ANIMALS

151.2 Issuance of a certificate of pure breeding.
151.3 Application for certificate of pure breeding.
151.4 Pedigree certificate.
151.5 Alteration of pedigree certificate.
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151.7 Examination of animal.
151.8 Eligibility of an animal for certification.

RECOGNITION OF BREEDS AND BOOKS OF RECORD

151.9 Recognized breeds and books of record.
151.10 Recognition of additional breeds and books of record.
151.11 Form of books of record.

AUTHORITY: 19 U.S.C. 1202; 7 CFR 2.22, 2.80, and 371.2(d).

DEFINITIONS

§ 151.1 Definitions.

Words used in this part in the singular form shall be deemed to import the plural, and vice versa, as the case may demand. As used in this part, the following words, names, or terms shall have the meanings set forth in this section, unless otherwise clearly indicated by the context.

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Agent. Custom broker or other person authorized to act as agent for the importer or owner of an animal.

Animal. Any purebred animal imported specially for breeding purposes except a black, silver, or platinum fox, or any fox which is a mutation or type developed therefrom.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service of the United States Department of Agriculture (APHIS).

Book of record. A printed book or an approved microfilm record sponsored by a registry association and containing breeding data relative to a large number of registered purebred animals used as a basis for the issuance of pedigree certificates.

Certificates of pure breeding. A certificate issued by the Administrator, for Bureau of Customs use only, certifying that the animal to which the certificate refers is a purebred animal of a recognized breed and duly registered in a book of record recognized under the regulations in this part for that breed.

(a) *The Act.* Item 100.01 in part 1, schedule 1, of title I of the Tariff Act of 1930, as amended (19 U.S.C. 1202, schedule 1, part 1, item 100.01).

Department. The United States Department of Agriculture.

Inspector. An inspector of APHIS or of the Bureau of Customs of the United States Treasury Department authorized to perform functions under the regulations in this part.

Pedigree certificate. A document issued by a registry association giving the pedigree of an animal and certifying that it is registered in the book of record of the association issuing the document, and containing all pertinent information relating to the registered animal, such as color and natural and artificial markings, a record of the name and address of the breeder, and the name and address of each subsequent owner of the animal.

Port of entry. Any port designated under §92.102 for birds, §92.203 for poultry, §92.303 for horses, §92.403 for ruminants, or §92.503 for swine of this chapter.

Purebred. A term applicable to animals which are the progeny of known and registered ancestors of the same recognized breed and for which at least three generations of ancestry can be traced: *Provided, however,* That in the case of sheep registered on the basis of flocks, the term is applicable to animals of a recognized breed which originate in a flock for which available breeding data, as shown in the registry association's records, establish that

the flock has been in existence at least ten years.

[23 FR 10103, Dec. 23, 1958, as amended at 24 FR 2643, Apr. 7, 1959; 26 FR 6072, July 7, 1961; 36 FR 23356, Dec. 9, 1971; 54 FR 34969, 34970, Aug. 23, 1989; 55 FR 31562, Aug. 2, 1990]

CERTIFICATION OF PUREBRED ANIMALS

§ 151.2 Issuance of a certificate of pure breeding.

The Administrator will issue a certificate of pure breeding for an animal claimed to be entitled to free entry under the act provided the requirements of the regulations in this part are complied with. Such certificate will be presented to the owner, agent, or importer who in turn shall present it to the collector of customs at the port where customs entry is made.

[26 FR 6072, July 7, 1961, as amended at 54 FR 34969, Aug. 23, 1989]

§ 151.3 Application for certificate of pure breeding.

An application for a certificate of pure breeding executed by the owner, agent, or importer of an animal shall be made on ANH Form 17–338 (available from the collector of customs) before the animal will be examined as provided in § 151.7. Such application shall be made to the inspector at the port of entry for all animals: *Provided, however,* That the application for a certificate of pure breeding for dogs, other than those regulated under § 92.600 of this chapter, and cats may be made to the inspector either at the port of entry or at any other port where customs entry is made. An agent shall show the inspector written authorization from the owner or importer authorizing him to act for the owner or importer in connection with the application for a certificate of pure breeding.

(Approved by the Office of Management and Budget under control number 0579–0011)

[26 FR 6072, July 7, 1961, as amended at 36 FR 23356, Dec. 9, 1971; 48 FR 57473, Dec. 30, 1983; 55 FR 31562, Aug. 2, 1990]

§ 151.4 Pedigree certificate.

A pedigree certificate for an animal of a breed listed in § 151.9 issued by the custodian of the appropriate book of record listed in said section and on which there has been entered in accordance with the rules of entry of the registry association, a complete record of transfers of ownership from the breeder to and including the United States importer, or a complete record of transfers of ownership from the breeder to and including the person who owns the animal when it is imported into the United States and the name of the United States importer (for example, a lessee), shall be furnished by the owner, agent, or importer to the inspector at the time of the examination of the animal as provided in § 151.7. The inspector will return the document to the party who submitted it. A verbatim translation of the description relating to color and markings shall appear in English in the pedigree certificate for the animal or in a separate certificate appended to the pedigree certificate.

[26 FR 6072, July 7, 1961]

§ 151.5 Alteration of pedigree certificate.

No pedigree certificate which in the opinion of the Administrator has been substantially altered will be accepted.

[23 FR 10104, Dec. 23, 1958, as amended at 54 FR 34969, Aug. 23, 1989]

§ 151.6 Statement of owner, agent, or importer as to identity of animals.

The owner, agent, or importer who applies for a certificate of pure breeding for any animal offered for duty-free entry under this part, shall execute on ANH Form 17–338 a statement that the animal so offered for entry is the animal described in the pedigree certificate furnished to the inspector as prescribed in § 151.4. This form shall be presented to the inspector before the animal and pedigree certificate are examined as provided in § 151.7.

[36 FR 23357, Dec. 9, 1971]

§ 151.7 Examination of animal.

(a) For the purpose of determining identity, an examination shall be made by an inspector of each animal for which free entry is claimed under the act. All animals shall be examined at the port of entry: *Provided, however,* That dogs, other than those regulated under § 92.600 of this chapter, and cats

may be examined either at the port of entry or at any other port where customs entry is made.

(b) The owner, agent, or importer shall provide adequate assistance and facilities for restraining and otherwise handling the animal and present it in such manner and under such conditions as in the opinion of the inspector will make a proper examination possible. Otherwise, the examination of the animal will be refused or postponed by the inspector until the owner, agent, or importer meets these requirements.

(c) A pedigree certificate, as required by §151.4 shall be presented at the time of examination to the inspector making the examination in order that proper identification of the animal may be made. When upon such examination of any animal, the color, markings, or other identifying characteristics do not conform with the description given in the pedigree certificate and the owner, agent, or importer desires to pursue the matter further, the inspector shall issue ANH Form 17–419 to the owner, agent, or importer, and shall forward the pedigree certificate for this animal, together with ANH Form 17–419, to the Washington office of APHIS by certified mail. A determination will be made by such office as to the identity of the animal in question and the eligibility of the animal for certification under §151.2. The pedigree certificate will be returned to the party who submitted it as soon as such determination is made. Removal of an animal from the port where examination is made prior to presentation of the pedigree certificate or other failure to comply with the requirements of this paragraph shall constitute a waiver of any further claim to certification under the regulations in this part.

[26 FR 6072, July 7, 1961, as amended at 54 FR 34970, Aug. 23, 1989; 55 FR 31562, Aug. 2, 1990]

§151.8 Eligibility of an animal for certification.

To be eligible for certification under the act, an animal must be purebred of a recognized breed and have been registered in good faith in a book of record listed in §151.9 and must not have been registered on inspection without regard to purity of breeding.

[23 FR 10104, Dec. 23, 1958]

RECOGNITION OF BREEDS AND BOOKS OF RECORD

§151.9 Recognized breeds and books of record.

Breeds of animals and books of record listed in paragraphs (a) and (b) are hereby recognized. Recognition of such breeds and books of record will be continued, however, only if the books of record involved are kept by the custodians thereof in a form which is reasonably current and the book otherwise meets the requirements of this part, in the opinion of the Administrator. When a registry association which publishes a book of record that was recognized in printed form ceases to publish the book in such form and in lieu thereof publishes the book in microfilm form, the recognition of such book of record will be continued only if the book meets the requirements of this part. A copy of each printed volume and microfilm record of a book of record published after the book is recognized under this part shall be sent to APHIS immediately following such publication. All books of record sent to the Animal and Plant Health Inspection Service, United States Department of Agriculture, shall be submitted through the Veterinary Services, Operational Support, 4700 River Road, Unit 33, Riverdale, Maryland 20737–1231.

(a) *Breeds and books of record in countries other than Canada.* Books of the registry associations listed below are recognized for the following breeds: *Provided,* That no Belted Galloway cattle, horse of Criolla, Fjordhest (formerly known as Westland), Holstein, Shetland Pony or Welsh Pony and Cob breed, dog or cat registered in any of the books named shall be certified under the act as purebred unless a pedigree certificate showing three complete generations of known and recorded purebred ancestry of the particular breed involved, issued by the appropriate association listed below, is submitted for such animal.

CATTLE

Code	Name of breed	Book of record	By whom published
1101	Aberdeen-Angus	Aberdeen-Angus Herd Book	Aberdeen-Angus Cattle Society, Hugh R. Neilson, secretary, Pedigree House, 17 Bon-Accord Sq., Aberdeen, Scotland.
1112	.....do	New Zealand Aberdeen-Angus Herd Book.	New Zealand Aberdeen-Angus Cattle Breeders' Association, Post Office Box 83, Hastings, New Zealand.
116	Aberdeen-Angus	Irish Angus Herd Book	Irish Angus Cattle Society Ltd., John L. Murphy, Secretary, Agriculture House, Kildare Street, Dublin 2, Ireland.
1102	Africander	Africander Cattle Herd Book	The Africander Cattle Breeders' Society, under the supervision and authority of the South African Stud Book Association, E.L. Househam, secretary, 40 Henry St., Bloemfontein, Union of South Africa.
1201	Alderney	Herd Book of the Bailiwick of Guernsey (Alderney Branch).	Royal Alderney Agricultural Society (The Alderney Branch of the Royal Guernsey A. and H. Society), P.D. Sumner, secretary, The Bungalow, Butes, Alderney, Channel Isles.
1202	Ayrshire	Ayrshire Herd Book	Ayrshire Cattle Herd Book Society of Great Britain and Ireland, John Graham, secretary, 1 Racecourse Rd., Ayr, Scotland.
1301	Devon	Davy's Devon Herd Book	Devon Cattle Breeders' Society, Cyril Ernest Berry, secretary, Court House, The Square, Wiveliscombe, Somerset, England.
1302	Dexter	Dexter Herd Book	Dexter Cattle Society, T. S. Pick, secretary, Manor Farm, Stubbs Lane, Lower Kingswood, Tadworth, Surrey, England.
1103	Belted Galloway	Belted Galloway Herd Book	Belted Galloway Cattle Society, J. Campbel Laing, secretary, Galloway Estate Office, Newton Stewart, Wigtownshire, Scotland.
1104	Galloway	Galloway Herd Book	Galloway Cattle Society of Great Britain and Ireland, Donald M. McQueen, secretary, Roughhills, Dalbeattie, Scotland.
1113	Gelbvieh	Herd Book of the Gelbvieh	American Gelbvieh Association, 10900 Dover Street, Westminster, CO 80021.
1203	Guernsey	English Guernsey Herd Book	English Guernsey Cattle Society, J. W. Barker, secretary, Mappin House, Winsley St., Oxford St., London, W. 1, England.
1204	.....do	Herd Book of the Baliwick of Guernsey (Guernsey Branch).	Royal Guernsey Agricultural and Horticultural Society, H. C. Le Page, secretary, States Arcade Balcony, St. Peter Port, Guernsey, Channel Isles.
1105	Hereford	Herd Book of Hereford Cattle	Hereford Herd Book Society, R.J. Bentley, secretary, 3 Offa St., Hereford, England.
1106	Highland	Highland Herd Book	Highland Cattle Society of Scotland, Donald G. Noble, secretary, 17 York Pl., Perth, Scotland.
1205	Holstein-Friesian	Friesch Rundvee-Stamboek	Vereeniging: ''Het Friesch Rundvee-Stamboek,'' Dr. J. M. Dijkstra, secretary, Zuiderplein 2–6, Leeuwarden, The Netherlands.
1206	.....do	Nederlandsch Rundvee-Stamboek.	Vereeniging: ''Het Nederlandsche Rundvee-Stamboek,'' H. W. J. Dekker, Chief Administrator, Stadhouderslantsoen 24, 's-Gravenhage, The Netherlands.
1207	Jersey	Jersey Herd Book	Royal Jersey Agricultural and Horticultural Society, H. G. Shepard, secretary, 3 Mulcaster St., St. Helier, Jersey, Channel Isles.
1208	.....do	Jersey Herd Book of United Kingdom.	Jersey Cattle Society of the United Kingdom, Edward Ashby, secretary, 19 Bloomsbury Sq., London, W. C. 1, England.
1303	Kerry	British Kerry Cattle Herd Book	British Kerry Cattle Society, R. O. Hubl, secretary, The Milestone, Stanmore Hill, Stanmore, Middlesex, England.
1304	.....do	Kerry Cattle Herd Book	Royal Dublin Society, Horace H. Poole, registrar, Ball's Bridge, Dublin, Ireland.
1305	Lincoln Red	Lincoln Red Herd Book	Lincoln Red Cattle Society, W. Dunnaway secretary, Agriculture House, Park St., Lincoln, England.
1209	Red Danish	Stambog over Koer af Rod Dansk Malkerace. Stambog over Tyre af Rod Dansk Malkerace. Register-Stambog over Kvaeg af Rod Dansk Malkerace.	De Samvirkende Danske Landboforeninger, A. Wulff Pedersen, secretary, Vindegade 72, Odense, Denmark.
1306	Red Poll	Red Poll Herd Book	Red Poll Cattle Society of Great Britain and Ireland, Inc., A. C. Burton, secretary, 32 Princes St., Ipswich, Suffolk, England.
1307	Shorthorn	Coates's Herd Book	Shorthorn Society of Great Britain and Ireland, Arthur Greenhalgh, secretary, Victoria House, Southampton Row, London, W.C. 1, England.

CATTLE—Continued

Code	Name of breed	Book of record	By whom published
1107	South Devon	Herd Book of South Devon Cattle.	South Devon Herd Book Society, W. G. Turpitt, secretary, 16 Sherborne Rd., Newton Abbot, Devon, England.
1115	Simmental	Irish Simmental Cattle Society	Irish Simmental Cattle Society Ltd., Springhill Carrigtwohill, Co. Cork, Ireland.
1308	Sussex	Sussex Herd Book	Sussex Herd Book Society, A. G. Holland, secretary, 17 Devonshire St., London, W. 1, England.
1309	Welsh	Welsh Black Cattle Herd Book	Welsh Black Cattle Society, G. Williams Edwards, secretary, 13 Bangor St., Caernarvon, No. Wales.

HORSES

Code	Name of breed	Book of record	By whom published
2201	Arabian	Arab Horse Stud Book	The Arab Horse Society, Col. R. C. de V. Askin, secretary, Beechmead, Rowledge, Farnham, Surrey, England.
2202	.....do	Polska Ksiega Stadna Koni, Arabskich Czystej Krwi.	Towarzystwo Hodowli Konia Arabskiego, Maria Brykczynska, secretary, Krako 1w, Sarego 2, Poland.
2203	.....do	General Stud Book	Weatherby & Sons, 15 Cavendish Sq., London, W. 1, England.
2204	.....do	Registro-Matricula de Caballos de Pura Sangre.	Jefatura de Cria Caballar y Remonta, Don Manuel Diaz Calderon, Secretario Stud-book, Ministerio del Ejercito, Madrid, Spain.
2205	.....do	Stud Book Argentino	Ministerio de Hacienda de la Nacion, Loteria de Beneficencia Nacional y Casinos, Ricardo A. Maestri, Jefe, Av. Libertador General San Martin 4101, Capital Federal, Republica Argentina.
2206	.....do	Stud Book Francais Registre des Chevaux de Pur Sang.	Commission du Studbook Francais de Pur Sang, M. Maze-Sencier, Inspecteur General, Chef, Service des Haras, Ministere de l'Agriculture, 78 rue de Varenne (7), Paris, France.
2207	.....do	Stud Book de Venezuela	Instituto Nacional de Hipodromos, Jorge Coll Nunez, Jefe, Hipodromo ''La Rinconada,'' Caracas, Venezuela.
2208	.....do	The Arabian Stud Book. (Recognition of this book will be restricted to Arabian horses which originate for importation in Saudi Arabia, or trace to pure Arabian stock of that country.).	The Arabian Horse Club Registry of America, Inc., Henry B. Babson, secretary, 120 So. La Salle St., Chicago 3, Ill.
2304	Arabian	Russian Arabian Stud Book of Moscow, Union of Soviet Socialist Republics.	Ministry of Agriculture USSR, All-Union Research Institute of Horsebreeding.
2101	Belgian	Stud-Book des Chevaux de Trait Belges.	Societe 1 Royale ''Le Cheval de Trait Belge,'' Edgard Bedoret, Secretaire general, 45a rue de l'Ecuyer, Brussels, Belgium.
2209	Cleveland Bay	Cleveland Bay Stud Book	Cleveland Bay Horse Society, Oswald Welford, secretary, The Angelus, Roxby, Staithes, Saltburn, Yorkshire, England.
2102	Clydesdale	Clydesdale Stud-Book	Clydesdale Horse Society of Great Britain & Ireland, Robert Jarvis, secretary, 19 Hillington Gardens, Glasgow, S.W. 2, Scotland.
2210	Criolla	''Registre Definitivo Seccion'' de Registro Genealogico para la Raza Criolla.	Sociedad Rural Argentina, E. F. Garay, Gerente Tecnico, Florida 460, Buenos Aires, Argentina.
2301	Fjordhest (formerly known as Westland).	Stambok over Fjordhest	Statens Stambokkontor, Arne Hogstad, Statens Stambokforer, Munkedamsveien 35 VI, Oslo, Norway.
2211	Hackney	Hackney Stud Book	Hackney Horse Society, R. A. Brown, secretary, 16 Bedford Sq., London, W.C. 1, England.
2212	Holstein	Holsteinisches Gestutbuch	Verband der Zuchter des Holsteiner Pferdes e. V., Herr H. Horstmann, Geschaftsfuhrer, Klostersande 93, Elmshorn, Germany.
2112	Morab	Morab Stud Book	North American Morab Horse Association, Inc., W 3174 Fero Springs Road, Hilbert, WI 54129.
2103	Percheron	British Percheron Stud Book	British Percheron Horse Society, A. E. Vyse, secretary, Owen Webb House, Gresham Rd., Cambridge, England.
2104	.....do	Stud-Book Percheron de France	Societe 1 Hippique Percheronne de France, E. Lemarie, secretaire general, 7 rue Villette-Gate 1. Nogent-le-Rotrou (E–&–L), France.
2302	Shetland Pony	Shetland Pony Stud-Book	Shetland Pony Stud-Book Society, Thomas H. F. Myles, secretary, 61 George St., Perth, Scotland.

HORSES—Continued

Code	Name of breed	Book of record	By whom published
2105	Shire	Shire Horse Stud Book	Shire Horse Society, A. G. Holland, secretary, 17 Devonshire St., London, W. 1, England.
2106	Suffolk	Suffolk Stud-Book	Suffolk Horse Society, Raymond Keer, secretary, 6 Church St., Woodbridge, Suffolk, England.
2213	Thoroughbred	Australian Stud Book	Australian Jockey Club and Victoria Racing Club, W. J. McFadden, Keeper of the Stud Book, 6 Bligh St., Sydney, N.S.W., Australia.
2214	.....do	General Stud Book	Weatherby & Sons, 15 Cavendish Sq., London, W. 1, England.
2215	.....do	Jamaica Stud-Book	The Jockey Club of Jamaica, Miss L. Pike, secretary, 10 Duke St., Kingston, Jamaica, B.W.I.
2216	.....do	Stud Book de Chile	Club Hipico de Santiago, Alejandro Obolensky Dadian, Jefe de Stud-Book, Casilla 3674, Santiago, Chile.
2217	.....do	Stud Book de Venezuela	Instituto Nacional de Hipodromos, Jorge Coll Nunez, Jefe, Hipodromo ''La Rinconada,'' Caracas, Venezuela.
2218	.....do	New Zealand Stud Book	New Zealand Racing Conference, A. M. McBeath, secretary, P.O. Box 1430, Wellington, C. 1, New Zealand.
2219	.....do	Registro-Matricula de Caballos de Pura Sangre.	Jefatura de Cria Caballar y Remonta, Don Manuel Diaz Calderon, Secretario Stud-book, Ministerio del Ejercito, Madrid, Spain.
2220	Thoroughbred	Stud Book Francais Registre des Chevaux de Pur Sang.	Commission du Studbook Francais de Pur Sang, M. Maze-Sencier, Inspecteur General, Chef, Service des Haras, Ministere de l'Agriculture, 78 rue de Varenne (7), Paris, France.
2221	.....do	Libro Genealogico dei Cavalli di Puro Sangue.	Jockey Club Italiano, Gen. Federico Garofoli, segretario, Corso Vittorio Emanuele 87, Rome, Italy.
2222	.....do	Registre des Chevaux de Pur Sang.	Jockey-Club de Belgique, Lt. Col. Baron Jacques van Zuylen van Nyevelt, Secretaire general, 1 rue Guimard, Brussels 4, Belgium.
2223	.....do	Stud Book Brasileiro	Jockey Club Brasileiro, Ricardo Xavier da Silveira, Diretor do Stud Book, Av., Rio Branco 197, Rio de Janeiro, Brazil.
2224	.....do	Stud Book Peruano	Jockey Club del Pera, Alberto Alvarez Calderon, Gerente, Union 1066, Lima, Peru.
2225	.....do	Stud Book Argentino	Ministerio de Hacienda de la Nacion, Loteria de Beneficencia Nacional y Casinos, Ricardo A. Maestri, Jefe, Av. Libertador General San Martin 4101, Capital Federal, Republica Argentina.
2226	.....do	American Stud Book. (Recognition of this book will be restricted to Thoroughbreds imported as follows: (a) Horses bred or born in the United States, shipped to a foreign country and returned to this country; (b) horses bred or born in Great Britain, Northern Ireland, Eire, or France, whose pedigrees trace wholly, or in part, to horses bred or born in the United States; (c) horses from countries where a book of purebred registration for Thoroughbreds does not exist; or (d) horses previously certified for entry under the act and for which Certificates of Foreign Registration were issued by The Jockey Club of New York, and which were subsequently exported to any country and returned to the United States with such certificates.).	The Jockey Club, Mrs. L. Brennan, Registrar, 300 Park Ave., New York 22, N.Y.
2233	.....do	Allgemeines deutsches Gestubuch fur Vollblut.	Direktorium fur Vollblutzucht und Rennen, 6 Cologne Weidenpesch, Rennbahnstrasse 100, Postfach 180, Republic of Germany.
2234	.....do	Stud Book Uruguayo	Jefe del Stud Book Uruguayo, Jose C. Frigerio, Head, Uruguayan Jockey Club, Montevideo, Uruguay.
2235	.....do	The General Stud Book of South Africa.	The Jockey Club of South Africa, Box 3409, Johannesburg, Union of South Africa.

HORSES—Continued

Code	Name of breed	Book of record	By whom published
2113	Trakehner	Trakehner Stud Book	American Trakehner Association, 2305 November Lane, Reston, VA 22091.
2303	Welsh Pony and Cob	Welsh Stud Book	Welsh Pony & Cob Society, J. A. George, secretary, Offices of the Royal Welsh Agricultural Society, Queen's Rd., Aberystwyth, Cardiganlshire, Wales.
2240	Wielkopolskich	Ksiega Stadna Koni Wielkopolskich.	Warm Blood & Full Blood Breeders of the Great Polish Horses, Pulewski 14, 02–152 Warsaw, Poland.

ASSES

Code	Name of breed	Book of record	By whom published
3001	Poitou	Jack and Jennet Section of Stud-Book ou Livre Genealogique des Animaux Mulassiers due Poitou.	Societe Centrale d'Agriculture des Deux-Sevres R. Martinet, Secretaire, Cite Administrative, rue Dugueslin, Niort (Deux-Sevres), France.

SHEEP

Code	Name of breed	Book of record	By whom published
4101	Border Leicester	Border Leicester Flock Book	Society of Border Leicester Sheep Breeders, Robert Jarvis, secretary, Room 273, 93 Hope St., Glasgow, C. 2, Scotland.
4102	Cheviot	Cheviot Sheep Flock Book	Cheviot Sheep Society, Guy H. Armstrong, secretary, Commercial Bank Bldgs., Hawick, Scotland.
4103	Corriedale	Flock Book for Corriedale Sheep in Australia.	The Australian Corriedale Association, H.T.C. Woodfull, secretary, Royal Showgrounds, Epsom Road, Ascot Vale, W. 2, Victoria, Australia.
4104	Corriedale	Corriedale Flock Book (New Zealand).	The Corriedale Sheep Society, Inc., C. H. Lawrence, secretary, 154 Hereford St., Christchurch, New Zealand.
4201	Dorset Horn	Dorset Horn Flock Book	Dorset Horn Sheep Breeders' Association, E. F. B. Lucas, secretary, Bank Chambers, Dorchester, Dorset, England.
4202	Hampshire Down	Hampshire Down Flock Book	Hampshire Down Sheep Breeders' Association, Miss Doris M. Stanbury, secretary, 38 Endless St., Salisbury, Wilts., England.
4105	Kent or Romney Marsh.	Kent or Romney Marsh Flock Book.	Kent or Romney Marsh Sheep-Breeders' Association, G. W. Tuffrey, secretary, Station Rd., Ashford, Kent, England.
4203	Kerry Hill	Kerry Hill Flock Book	Kerry Hill (Wales) Flock Society, Ralph P. Evans, secretary, c/o The Radnorshire Co., Ltd., Knighton, Radnorshire, Wales.
4106	Leicester	Leicester Flock Book	Leicester Sheep Breeders' Association, P. S. Atkinson, secretary, The Exchange, Exchange St., Driffield, E. Yorks., England.
4107	Lincoln	Flock Book of Lincoln Longwool Sheep.	Lincoln Longwool Sheep Breeders' Association, Brian Shelley, secretary, Westminster Bank Chambers, 8 Guildhall St., Lincoln, England.
4204	Oxford Down	Flock Book of Oxford Down Sheep.	Oxford Down Sheep Breeders' Association, Mrs. L. I. Deacon, secretary, Thornyfields, Billing Rd., Brafield-on-the-Green, Northampton, England.
4108	Romney Marsh	New Zealand Romney Marsh Flock Book.	New Zealand Romney Marsh Sheep Breeders' Association, Inc., R. J. J. Campbell, secretary, 117 Kimbolton Rd., Feilding, New Zealand.
4205	Ryeland	Ryeland Flock Book	Ryeland Flock Book Society, Ltd., P. J. Hoskins, secretary, 20 King St., Hereford, England.
4206	Shropshire	Shropshire Flock Book	Shropshire Sheep Breeders' Association and Flock Book Society, Ivor Guy Mansell, secretary, College Hill, Shrewsbury, Shropshire, England.
4207	Southdown	Southdown Flock Book	Southdown Sheep Society, Inc., R. G. Noakes, secretary, Westways, Barming Woods, Maidstone, Kent, England.
4218	.....do	Southdown Sheep Society of New Zealand (Inc.).	The Southdown Sheep Society of New Zealand (Inc.), S. I. McKenzie, secretary, A.M.P., Chambers, 14 Broadway, Palmerston North, New Zealand.
4208	Suffolk	Suffolk Flock Book	Suffolk Sheep Society, Harry A. Byford, secretary, 30 Museum St., Ipswich, Suffolk, England.
4109	Wensleydale	Wensleydale Longwool Sheep Flock Book.	The Wensleydale Longwool Sheep Breeders' Association, W. Dickinson, secretary, ''Cartmel,'' Church Walk, Ulverston, Lancashire, England.

SHEEP—Continued

Code	Name of breed	Book of record	By whom published
4001	Various recognized breeds.	Flock Book for British Breeds of Sheep in Australia.	Australian Society of Breeders of British Sheep, H.T.C. Woodfull, secretary, Royal Show Grounds, Epsom Rd., Ascot Vale, W. 2, Victoria, Australia.
4002	.....do	New Zealand Flock Book	New Zealand Sheep Breeders' Association, H.M. Studholme, secretary, P.O. Box 9002, Addington, Christchurch, New Zealand.

GOATS

Code	Name of breed	Book of record	By whom published
5001	Saanen and Toggenburg.	British Goat Society Herd Book (Saanen and Toggenburg Sections).	British Goat Society, Miss M.F. Rigg, secretary, Diss, Norfolk, England.

SWINE

Code	Name of breed	Book of record	By whom published
6001	Irish Large White	Herd Book of Irish Large White Pigs.	Royal Dublin Society, Horace H. Poole, registrar, Ball's Bridge, Dublin, Ireland.
	Berkshire.		
	Gloucestershire Old. Spots..		
	Large Black.		
6002	Large White	Herd Book of the National Pig Breeders' Association.	National Pig Breeders' Association, E.G. Wake, secretary, 69 Clarendon Rd., Watford, Herts, England
	Middle White		
	Tamworth.		
	British Saddleback.		

DOGS

Code	Name of breed	Book of record	By whom published
7306	Australian Kelpie	The Working Kelpie Council National Stud Book.	The Working Kelpie Council, P.O. Box E31 St. James, Sidney 2000, Australia.
7301	Boxer	Boxer-Zuchtbuch	Boxer-Klub e. V. Sitz Munchen, Bernhard Schmitz, Prasident, 38 Otkerstrasse, Munchen 9, Germany.
7201	Dachshund	Teckel-Stammbuch	Deutscher Teckelklub e. V., Josef Chateau, Stammbuchfuhrer, Vallendar/Rhein, Haus Rheinnieder, Germany.
7202	Foxhound	Foxhound Kennel Stud Book	Masters of Foxhounds Association, Lt. Col. J. E. S. Chamberlayne, Hon. secretary, 51 Victoria St., London, S. W. 1, England.
7203	.....do	Welsh Hound Stud Book	Welsh Hound Association, Islwyn E. E. Davies, Hon. secretary, Berthddu, Llandinam, Montgomeryshire, East Wales.
7302	German Shepherd	Zuchtbuch fur deutsche Schaferhunde (SZ).	Verein fur deutsche Schaferhunde (SV), Hann Kremhelmer, Hauptgeschaftsfuhrer, Beim Schnarrbrunnen 4, Augsburg 5, Germany.
7303	Great Dane	Zuchtbuch fur Deutsche Doggen	Deutscher Doggen-Club, Richard Staadt, Prasident, Ellerstrasse 25, Solingen-Ohligs, Germany.
7204	Greyhound	Australian Greyhound Stud Book	The Australian and New Zealand Greyhound Association, Robert John Maidment, secretary, 349 Collins St., Melbourne, C. 1, Australia.
7205	.....do	Greyhound Stud Book	National Coursing Club, Sydney H. Dalton, secretary, College Hill Chambers, London, E.C. 4. England.
7206	.....do	Irish Greyhound Stud Book	Irish Coursing Club, Miss K. Butler, secretary, Davis Rd., Clonmel, Co. Tipperary, Ireland.
7207	Harrier and Beagle ...	Harrier and Beagle Stud Book ...	Association of Masters of Harriers and Beagles, J. J. Kirkpatrick, Hon. secretary, East Wing, Kirtlington Park, Oxford, England.
7304	Rottweiler	Zucht- und Korbuch	Allgemeiner Deutscher Rottweiler-Klub, Mrs. Josephine Rieble, Sekretarin, Vorsteigstrasse 5, Stuttgart-West, Germany.
7305	St. Bernard	Bernhardiner-Zuchtbuch	St. Bernhardsklub e. V., Franz Hrachowina, Zuchtbuchfuhrer, Bergmannstrasse 35, Munchen 12, Germany.

DOGS—Continued

Code	Name of breed	Book of record	By whom published
7001	Various recognized breeds.	Irish Kennel Club Stud Book	Irish Kennel Club, Miss Maud C. Fox, secretary, 23 Eden Quay, Dublin, C. 8, Ireland.
7002	.....do	Kennel Club Stud Book	English Kennel Club, E. Holland Buckley, secretary, 1–4 Clarges St., Piccadilly, London, W. 1, England.
7003	.....do	Livre des Origines Francais	Societe 1 Centrale Canine pour l'Amelioration des Races de Chiens en France, Col. Raoul Nicole, Directeur Administrateur, 3 Rue de Choiseul, Paris 2, France.
7004	.....do	Livre des Origines de la Societe 1 Royale Saint-Hubert.	Societe 1 Royale Saint-Hubert, R. Willocq, Secretaire 1, 391 Chaussee Saint-Pierre, Brussels 4, Belgium.
7005	.....do	Norsk Kennelklubs Stambok	Norsk Kennel Klub, Olaf A. Roig, secretary, Bjorn Farmannsgate 16, Oslo, Norway.
7006	.....do	Zuchtbuch des Klub fur Terrier e. V.	Klub fur Terrier e.V., Wilhelm Vahle, Sekretar, Schone Aussicht 9, Kelsterbach b. Frankfurt/Main, Germany.
7007	.....do	Schweizerisches Hunde-Stammbuch.	Schweizerische Kynologischen Gesellschaft, Carl Wittwer, secretary, Seestrasse 64, Kilchberg/Zurich, Switzerland.
7008	.....do	Svenska Kennelklubbens Register.	Svenska Kennelklubben, Ivan Swedrup, secretary, Linnegatan 25, Stockholm O 4, Sweden.

CATS

Code	Name of breed	Book of record	By whom published
8001	Long-haired and short-haired.	The Governing Council of the Cat Fancy Stud Book.	The Governing Council of the Cat Fancy, W.A. Hazeldine, secretary, 1 Roundwood Way, Banstead, Surrey, England.

(b) *Breeds and books of record in Canada*—(1) *Animals generally.* The books of record of the Canadian National Live Stock Records, Ottawa, Canada, of which F. G. Clark is Director, are recognized for the following breeds: *Provided,* That no animals registered in the Canadian National Live Stock Records shall be certified under the act as purebred unless such animals trace only to animals which are proved to the satisfaction of Veterinary Services to be of the same breed: *Provided further,* That no Dexter cattle, Karakul sheep, Alpine goat, Nubian goat, or horse of the American Saddle Horse, Arabian, Canadian, Morgan, Shetland Pony or Welsh Pony and Cob breed in Canada shall be certified under the act as purebred unless a pedigree certificate showing three complete generations of known and recorded purebred ancestry of the particular breed involved, issued by the Canadian National Live Stock Records, is submitted for such animal.

Code	Name of breed	Code	Name of breed
	CATTLE		
1108	Aberdeen, Angus.		
1210	Ayrshire.	1111	Highland.
1110	Belgian Blue		
1211	Brown Swiss.	1214	Jersey.
1212	Canadian.	1311	Lincoln Red.
1310	Dexter.	1312	Red Poll.
1109	Galloway.	1313	Shorthorn.
1114	Gelbvieh		
1213	Guernsey.		
	HORSES		
2227	American Saddle Horse.	2109	Percheron.
2228	Arabian.	2304	Shetland Pony.
2107	Belgian Draft.	2110	Shire
			Suffolk.
2229	Canadian.	2111	Thoroughbred.
2108	Clydesdale.	2232	Welsh Pony.
2230	Hackney.	2305	and Cob.
2236	Morgan.		
	SHEEP		
4110	Blackface.	4115	Lincoln.
4111	Cheviot.	4116	Merino.
4112	Corriedale.	4213	Oxford Down.
4113	Cotswold.	4117	Rambouillet.
4209	Dorset Horn.	4214	Ryeland.
4210	Hampshire.	4215	Shropshire.
4211	Karakul.	4216	Southdown.
4212	Kerry Hill.	4217	Suffolk.
4114	Leicester.		
	GOATS		
	Alpine.		
	Angora.		
5002	Nubian.		
	Saanen.		
	Toggenburg.		

Code	Name of breed	Code	Name of breed
SWINE			
6003	Berkshire. Chester White. Duroc-Jersey. Hampshire. Lacombe. Landrace. Large Black. Poland China. Tamworth. British Saddleback. Yorkshire.		

(2) *Holstein-Friesian cattle in Canada* (*Code 1215*). The Holstein-Friesian Association of Canada, Brantford, Ontario, Canada, of which G. M. Clemons is secretary and editor, is recognized for the Holstein-Friesian breed registered in the Holstein-Friesian Herd Book of that Association.

(3) *Dogs in Canada* (*Code 7009*). The Stud Book of the Canadian Kennel Club, Incorporated (Canadian National Live Stock Records) is recognized for all the breeds of dogs registered therein: *Provided,* That no dog so registered shall be certified under the act as purebred unless a pedigree certificate showing three complete generations of known and recorded purebred ancestry of the particular breed involved, issued by the Canadian Kennel Club, Incorporated, is submitted for such dog.

(4) *Standardbred horses in Canada* (*Code 2231*). The Canadian Standard Bred Stud Book kept by the Canadian Standard Bred Horse Society, 122 Brown's Line, Toronto 14, Ontario, Canada, is recognized for all Standardbred horses registered therein: *Provided,* That no Standard bred so registered shall be certified under the act as purebred unless a pedigree certificate showing three complete generations of known and recorded purebred Standardbred ancestry, issued by the Canadian Standard Bred Horse Society, is submitted for each such horse.

(5) *Charolais cattle in canada (Code 1112).* The full French book of record of the Canadian Charolais Association, Calgary, Alberta, Canada, is recognized for the Charolais breed registered therein.

(6) *Maine-Anjou cattle in Canada (Code 1113*). The full French book of record of the Canadian Maine-Anjou Association, which is maintained by the Canadian National Live Stock Records, is recognized for the Maine-Anjou breed registered in the Canadian Maine-Anjou Herd Book: *Provided,* That no Maine-Anjou cattle so registered shall be certified under the act as purebred unless a pedigree certificate showing at least three generations of known and recorded purebred ancestry of the breed involved, issued by the Canadian National Live Stock Records, is submitted for each such animal.

(7) *Simmental cattle in Canada* (*Code 1114*). The Canadian Simmental Association, Calgary, Alberta, Canada, of which Mr. John Kish is Executive Secretary, is recognized for the Simmental breed registered in the Canadian Simmental Association Full Blood Herd Book: *Provided,* That no simmental cattle so registered shall be certified under the act as purebred unless a pedigree certificate showing at least three generations of known and recorded purebred ancestry of the breed involved, issued by the Canadian Simmental Association is submitted for each such animal.

(8) *Hereford cattle in Canada (Code 1110).* The Canadian Hereford Herd Book of The Canadian Hereford Association, 5160 Skyline Way NE., Calgary, Alberta, Canada, of which Dr. Duncan J. Porteous is General-Manager, is recognized for the Hereford breed registered therein.

(Sec. 101, 76 Stat. 72, Item 100.01, Title I, Tariff Act of 1930, as amended; 19 U.S.C. 1202, Item 100.01; 7 CFR 2.17, 2.51, and 371.2(d))

[23 FR 10104, Dec. 23, 1958]

EDITORIAL NOTE: For Federal Register citations affecting §151.9, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 151.10 Recognition of additional breeds and books of record.

Before a breed or a book of record shall be added to those listed in this part, the custodian of the book of record involved shall submit to APHIS a complete copy of the book of record, consisting of any published printed volumes and any microfilm records issued by the registry association up to date of application, together with a copy of all rules and forms in force on said date affecting the registration of animals in said book.

[24 FR 2644, Apr. 7, 1959, as amended at 54 FR 34970, Aug. 23, 1989]

§ 151.11 Form of books of record.

(a) If a registry association has not published its book of record in printed form, a record in approved microfilm form which the Administrator finds provides a system for determining the recorded ancestry of the animals identified therein will be acceptable. When a registry association which has published its book of record in printed form ceases such publication and in lieu thereof publishes a microfilm record, the microfilm record shall commence with the first pedigree recorded by the association which is not in the printed volumes and shall otherwise be in approved form.

(b) A microfilm record will be approved under this part only if it is 16 mm. non-perforated safety film exposed at a reduction ratio not to exceed 24 diameters. All information on the original document shall be reproduced onto the microfilm so that it is clearly readable. The microfilm carton shall be indexed to state the numbers of the pedigree certificates on the roll of film it contains.

[24 FR 2644, Apr. 7, 1959, as amended at 54 FR 34969, Aug. 23, 1989]

SUBCHAPTER I—VOLUNTARY INSPECTION AND CERTIFICATION SERVICE

PART 156—VOLUNTARY INSPECTION AND CERTIFICATION SERVICE

Sec.
156.1 Meaning of words.
156.2 Definitions.
156.3 Kind of service; records.
156.4 Application for service.
156.5 Availability of service.
156.6 Certificates.
156.7 Fees and charges, including user fees under 9 CFR part 130.
156.8 Refusal of service; denial or withdrawal of service.

AUTHORITY: 7 U.S.C. 1622 and 1624; 21 U.S.C. 136a; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 23 FR 10111, Dec. 23, 1958, unless otherwise noted.

§ 156.1 Meaning of words.

Words used in this part in the singular form shall import the plural, and vice versa, as the case may demand.

§ 156.2 Definitions.

For the purposes of this part, unless the context otherwise requires, the following terms shall be construed, respectively, to mean:

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal product. Anything made of, derived from, or containing any material of animal origin.

Applicant. Any person who requests service under this part.

Cooperative agreement. An agreement, between the Department and some other Federal or State agency, board of trade, chamber of commerce, or other agency, association, organization, person, or corporation as provided for in section 205 of the Agricultural Marketing Act of 1946 (7 U.S.C. 1624), to conduct cooperatively service under this part.

Department. The United States Department of Agriculture.

Inspector. Any officer or employee of the Department of cooperating agency authorized to perform any duties under a cooperative agreement at any plant furnished service under this part.

Inspector in charge. An inspector of the Department assigned by the Administrator to supervise, review, and perform official work pertaining to a plant furnished service under this part.

Person. Any individual, corporation, company, association, firm, partnership, society, joint stock company, or other form of organization.

[23 FR 10111, Dec. 23, 1958, as amended at 57 FR 30899, July 13, 1992; 62 FR 19040, Apr. 18, 1997]

§ 156.3 Kind of service; records.

Laws, regulations or other requirements of foreign countries and specifications of contracts for the purchase and sale of animal products, on occasion require vendors of such products to furnish official certificates concerning the class, quality, quantity, or condition of such products to be imported into such countries or to be delivered under the contracts. The service under this part, shall consist of the inspection of the processing, handling, and storage of the products at any plant at which service is furnished and the certification, on the basis of such requirements of foreign countries or such contract specifications, of the class, quality, quantity, or condition of such of the products as are found to conform to such requirements or specifications as the case may be. Processing procedures will be actually supervised. The operator of the plant shall fully inform the inspector with respect to, and the inspector shall actually observe, the processing procedures, handling, and storage of the products intended for certification. The inspector shall keep such records of the temperatures reached, the duration of time the temperatures are maintained, and the pounds of pressure under which the products are cooked in the course of processing, and such

other information, as are needed to justify the issuance of the certificates required.

[23 FR 10111, Dec. 23, 1958, as amended at 62 FR 19040, Apr. 18, 1997]

§ 156.4 Application for service.

Any person who is eligible under a cooperative agreement to receive service under this part may apply therefor to the Administrator, upon an application form which will be furnished by the Administrator upon request. The application form shall require the applicant to state, among other things, the forms of certificates desired.

(Approved by the Office of Management and Budget under control number 0579–0008)

[23 FR 10111, Dec. 23, 1958, as amended at 48 FR 57473, Dec. 30, 1983; 57 FR 30899, July 13, 1992]

§ 156.5 Availability of service.

Subject to § 156.8, service under this part will be furnished, upon application, within the limits of available Department personnel and facilities, at any plant the operator of which applies for or endorses the application for the service if the Administrator finds that: the forms of certificates desired by the applicant require the certification of class, quality, quantity, or condition; the plant and its methods of processing, handling and storage of the products intended for certification are adequate to warrant the issuance of the desired certificates; service is to be furnished under a cooperative agreement; and the requirements of § 156.7 are met.

[23 FR 10111, Dec. 23, 1958, as amended at 57 FR 30899, July 13, 1992; 62 FR 19040, Apr. 18, 1997]

§ 156.6 Certificates.

The inspector shall sign and issue certificates in forms approved by the Administrator for animal products, if the inspector finds that the requirements as stated in the certification have been met. The original and one copy of each certificate shall be furnished to the applicant, and one copy of each certificate shall be retained by the Department until disposal is authorized in accordance with law. Additional copies may be furnished the applicant at his request upon payment of the fees prescribed in § 156.7. Copies of the certificates may be furnished without charge to other properly interested Federal agencies or under compulsory process.

[23 FR 10111, Dec. 23, 1958, as amended at 57 FR 30899, July 13, 1992; 62 FR 19040, Apr. 18, 1997]

§ 156.7 Fees and charges, including user fees under 9 CFR part 130.

Fees and charges, and user fees under 9 CFR part 130, for service (including travel and other expenses incurred in connection with the furnishing of service) under this part shall be paid by the applicant in accordance with the terms of the cooperative agreement under which service is furnished and in accordance with this section which shall be deemed to be incorporated in such agreement. If required by the Administrator, the fees and charges, and user fees under 9 CFR part 130, shall be paid in advance. Since the fees and charges, and user fees under 9 CFR part 130, are for the purpose of reimbursing the Department for all costs incurred in connection with the furnishing of service under this part, the appropriate fees and charges, and user fees under 9 CFR part 130, to cover any such costs shall be paid even though service is withheld pursuant to § 156.8.

[23 FR 10111, Dec. 23, 1958, as amended at 58 FR 67656, Dec. 22, 1993]

§ 156.8 Refusal of service; denial or withdrawal of service.

(a) Service under this part will be refused if the conditions stated in §§ 156.5 and 156.6 are not met.

(b) Service under this part may be withdrawn from, or denied to, any applicant by the Administrator, for such period as the Administrator may prescribe, when the Administrator is satisfied, after opportunity for hearing before a proper official has been accorded the applicant, that the applicant or other operator of the plant where service has been or would be furnished under the application, or the agent or employee of such applicant or operator within the scope of his employment, has persistently failed to give the inspector full and correct information

with respect to the processing procedures, handling, and storage of animal products intended for certification or certified; or has given to any employee of the Department false information in connection with service under this part; or has altered or imitated any certificate, mark, or device provided for under this part; or has used any such certificate, mark, or device without authority from the Administrator, or any imitation of any such certificate, mark, or device, on or with respect to any animal products; or has knowingly and without promptly notifying the Administrator retained possession of any such device or imitation thereof or altered or imitation certificate or of any animal products marked with any such device without authority from the Administrator or marked with any imitation of such device; or has given or attempted to give, for any purpose whatsoever, any money, favor, or other thing of value, to any employee of the Department authorized to perform any function under this part; or has interfered with or obstructed, or attempted to interfere with or to obstruct, any employee of the Department in or with respect to the performance of his duties under this part by intimidation, threats, assaults, or any other improper means. The inspector assigned to any plant may suspend service at such plant for any of the reasons set forth in this paragraph, without hearing, and in that event shall report his actions to the Administrator, and the Administrator may continue such suspension or otherwise deny or suspend service at any plant for any of such reasons, without hearing, pending final disposal of the matter under this paragraph.

(c) All final orders in any proceeding to deny or withdraw the service for any of the reasons set forth in paragraph (b) of this section (except orders required for good cause to be held confidential and not cited as precedents) shall be filed with the Hearing Clerk of the Department and be available to public inspection.

[23 FR 10111, Dec. 23, 1958, as amended at 57 FR 30899, July 13, 1992; 62 FR 19040, Apr. 18, 1997]

SUBCHAPTER J—ACCREDITATION OF VETERINARIANS AND SUSPENSION OR REVOCATION OF SUCH ACCREDITATION

PART 160—DEFINITION OF TERMS

AUTHORITY: 15 U.S.C. 1828; 21 U.S.C. 105, 111–114, 114a, 114a–1, 115, 116, 120, 121, 125, 134b, 134f, 612, and 613; 7 CFR 2.22, 2.80, and 371.2(d).

§ 160.1 Definitions.

For the purposes of this subchapter the following words, phrases, names and terms shall be construed, respectively, to mean:

Accredited Veterinarian.[1] A veterinarian approved by the Administrator in accordance with the provisions of part 161 of this subchapter to perform functions specified in subchapters B, C, and D of this chapter.

Administrator. The Administrator of the Animal and Plant Health Inspection Service or any individual authorized to act for the Administrator.

Animal, animals. All animals except humans, including but not limited to cattle, sheep, goats, other ruminants, swine, horses, asses, mules, zebras, birds, and poultry.

Animal and Plant Health Inspection Service. The Animal and Plant Health Inspection Service, United States Department of Agriculture.

APHIS. The Animal and Plant Health Inspection Service.

Approved digital signature. Digital signatures approved by the Administrator for electronic transmission, for example, via a computer. To be approved, a digital signature must be able to verify the identity of the accredited veterinarian signing the document and indicate if the integrity of the data in the signed document was compromised.

Examine, examination. Physical study of an individual animal that enables an accredited veterinarian to determine if any abnormality in physical condition or bodily function is suggestive of clinical signs of communicable disease.

Inspect, inspection. Visual study of the physical appearance, physical condition, and behavior of animals (singly or in groups) that enables an accredited veterinarian to determine whether any abnormality in physical condition or bodily function is evident.

Issue. The distribution, including electronic transmission, of an official animal health document that has been signed.

Official certificate, form, record, report, tag, band, or other identification. Means any certificate, form, record, report, tag, band, or other identification, prescribed by statute or by regulations issued by the Administrator, for use by an accredited veterinarian performing official functions under this subchapter.

Regular health maintenance program. An arrangement between an accredited veterinarian and a livestock producer whereby the veterinarian inspects every animal on the premises of the producer at least once every 30 days.

Sign, (Signed). For an accredited veterinarian to put his or her signature in his or her own hand, or by means of an approved digital signature, on a certificate, form, record, or report. No certificate, form, record, or report is signed if:

(1) Someone other than the accredited veterinarian has signed it on behalf of or in the name of the accredited veterinarian, regardless of the authority granted them by the accredited veterinarian; or

(2) If any mechanical device, other than an approved digital signature, has been used to affix the signature.

State. Any State, the District of Columbia, Puerto Rico, Guam, the Northern Mariana Islands, the Virgin Islands of the United States, and any other territory or possession of the United States.

State Animal Health Official. The State animal health official who is responsible for the livestock and poultry

[1] The provisions of subchapters B, C, and D of this chapter authorize Federal and State veterinarians and accredited veterinarians to perform specified functions. Full-time Federal (including military) and State employed veterinarians are authorized to perform such functions, pursuant to delegation of authority by the Administrator or cooperative agreements without specific accreditation under the provisions of this subchapter.

disease control and eradication programs of a State.

Veterinarian-in-Charge. The veterinary official of APHIS who is assigned by the Administrator to supervise and perform the official work of APHIS in a State or group of States.

[57 FR 54912, Nov. 23, 1992, as amended at 59 FR 40797, Aug. 10, 1994; 60 FR 39842, Aug. 4, 1995; 62 FR 25445, May 9, 1997]

PART 161—REQUIREMENTS AND STANDARDS FOR ACCREDITED VETERINARIANS AND SUSPENSION OR REVOCATION OF SUCH ACCREDITATION

Sec.

161.1 Statement of purpose; performance of accredited duties in different States.
161.2 Requirements and application procedures for accreditation.
161.3 Standards for accredited veterinarian duties.
161.4 Suspension or revocation of veterinary accreditation; criminal and civil penalties.

AUTHORITY: 15 U.S.C. 1828; 21 U.S.C. 105, 111–114, 114a, 114a–1, 115, 116, 120, 121, 125, 134b, 134f, 612, and 613; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 57 FR 54912, Nov. 23, 1992, unless otherwise noted.

§ 161.1 Statement of purpose; performance of accredited duties in different States.

(a) This subchapter concerns a program administered by APHIS to accredit veterinarians and thereby authorize them to perform, on behalf of APHIS, certain activities specified in this chapter. This program is intended to ensure that an adequate number of qualified veterinarians are available in the United States to perform such activities.

(b) If an accredited veterinarian wishes to perform accredited duties in a State other than the State for which the veterinarian has completed an orientation in accordance with § 161.2(a)(4), the accredited veterinarian shall so inform the Veterinarian-in-Charge of the new State. The Veterinarian-in-Charge of the new State may require the accredited veterinarian to complete, prior to performing any accredited duties in the new State, an orientation in animal health procedures and issues relevant to the new State. The Veterinarian-in-Charge shall review the content of each such orientation and shall approve its use after determining that it includes adequate information about animal health agencies, regulatory requirements, administrative procedures, and animal disease problems in the new State, to prepare an accredited veterinarian from another State to perform accredited duties in the new State. The Veterinarian-in-Charge shall also give the State Animal Health Official of the new State an opportunity to review the contents of the orientation, and invite him or her to participate in developing orientation materials and conducting the orientation.

(c) An accredited veterinarian may not perform accredited duties in a State in which the accredited veterinarian is not licensed or legally able to practice veterinary medicine.

§ 161.2 Requirements and application procedures for accreditation.

(a) *Initial accreditation.* A veterinarian may apply for accreditation by completing an application for accreditation on Form 1–36A, ''Application for Veterinary Accreditation,'' including certification that the applicant is able to perform the tasks listed in paragraph (d) of this section, and submitting it to the Veterinarian-in-Charge in the State where he or she wishes to perform accredited duties.

(1) Completed Forms 1–36A received by a Veterinarian-in-Charge shall be reviewed by the State Animal Health Official for the State in which the veterinarian wishes to perform accredited duties. Within 14 days after receiving an application, a State Animal Health Official shall either endorse the application or send a written statement to the Administrator explaining why it was not endorsed; but if the State Animal Health Official fails to take one of these actions within 14 days, the Veterinarian-in-Charge shall proceed to review the application. The Administrator will review the application and the written statement, if any, and determine whether the applicant meets the requirements for accreditation contained in this part.

(2) The Administrator is hereby authorized to accredit a veterinarian when he or she determines that:

(i) The veterinarian is a graduate with a Doctorate of Veterinary Medicine or an equivalent degree (any degree that qualifies the holder to be licensed by a State to practice veterinary medicine) from a college of veterinary medicine;

(ii) The veterinarian is licensed or legally able to practice veterinary medicine in the State in which the veterinarian wishes to perform accredited duties. APHIS will confirm licensing status of the applicant by contacting the State board of veterinary medical examiners or any similar State organization that maintains records of veterinarians licensed in a State; and,

(iii) The veterinarian has completed an orientation program approved by the Veterinarian-in-Charge for the State in which the veterinarian wishes to practice, and upon completion of the orientation, has signed a written statement listing the date and place of orientation, the subjects covered in the orientation, and any written materials provided to the veterinarian at the orientation. The Veterinarian-in-Charge shall also give the State Animal Health Official an opportunity to review the contents of the orientation, and invite him or her to participate in developing orientation materials and conducting the orientation. The orientation program shall include the following topics:

(A) Federal animal health laws, regulations, and rules;

(B) Interstate movement requirements for animals;

(C) Import and export requirements for animals;

(D) USDA animal disease eradication and control programs;

(E) Laboratory support in confirming disease diagnoses;

(F) Ethical/Professional responsibilities of an accredited veterinarian; and,

(G) Animal health procedures, issues, and information resources relevant to the State in which the veterinarian wishes to perform accredited duties.

(b) *Reaccreditation.* A veterinarian whose accreditation has been revoked may apply for reaccreditation when the revocation has been in effect for not less than two years by completing an application for reaccreditation on Form 1–36A, ''Application for Veterinary Accreditation'', and submitting it to the Veterinarian-in-Charge of the State or area where he or she wishes to perform accredited work.

(1) Completed Forms 1–36A received by a Veterinarian-in-Charge shall be reviewed by the State Animal Health Official for the State in which the veterinarian wishes to perform accredited duties. Within 14 days after receiving an application, a State Animal Health Official shall either endorse the application or send a written statement to the Administrator explaining why it was not endorsed; but if the State Animal Health Official fails to take one of these actions within 14 days, the Veterinarian-in-Charge shall proceed to review the application. The Administrator will review the application and the written statement, if any, and determine whether the applicant meets the requirements for reaccreditation contained in this part.

(2) The Administrator is hereby authorized to reaccredit a veterinarian when he or she determines that:

(i) The veterinarian is licensed or legally able to practice veterinary medicine in the State in which the veterinarian wishes to perform accredited duties;

(ii) The veterinarian has completed a reaccreditation orientation program approved by the Veterinarian-in-Charge for the State in which the veterinarian wishes to practice, and upon completion of the orientation, has signed a written statement listing the date and place of orientation, the subjects covered in the orientation, and any written materials provided to the veterinarian at the orientation. The Veterinarian-in-Charge shall also give the State Animal Health Official an opportunity to review the contents of the reaccreditation orientation, and invite him or her to participate in developing orientation materials and conducting the orientation. The orientation program shall include topics addressing the subject areas which led to loss of accreditation for the applicant, and subject areas which have changed since the applicant lost accreditation; and,

(iii) The professional integrity and reputation of the applicant support a conclusion that the applicant will faithfully fulfill the duties of an accredited veterinarian in the future. In making this conclusion, the Administrator shall review all available information about the applicant, including recommendations of the State Animal Health Official, and shall consider:

(A) Criminal conviction records adversely reflecting on the honesty or integrity of the applicant with regard to the performance or nonperformance of veterinary medical duties;

(B) Official records of the applicant's actions participating in Federal, State, or local veterinary programs;

(C) Judicial determinations in civil litigation adversely reflecting on the integrity of the applicant; and

(D) Any other evidence reflecting on the professional integrity and reputation of the applicant.

(c) *Reinstatement after suspension.* A veterinarian whose accreditation has been suspended for less than 6 months (other than a summary suspension that is changed to a revocation as a result of an adjudicatory proceeding) will be automatically reinstated as an accredited veterinarian upon completion of the suspension. A veterinarian whose accreditation has been suspended for 6 months or more must complete a reaccreditation orientation program in accordance with paragraph (b)(2)(ii) of this section before accreditation will be reinstated.

(d) *Tasks which applicants for accredited status must be able to perform.* Applicants for accredited status must be able to:

(1) Perform physical examinations of individual animals, and visually inspect herds or flocks, to determine whether the animals are free from any clinical signs suggestive of communicable disease;

(2) Recognize the common breeds of livestock so as to be able to record breed information on official documents;

(3) Recognize brucellosis tattoos and calfhood vaccination tags, and determine the state of origin of eartags, to properly identify animals in interstate commerce;

(4) Estimate the age of livestock using a dental formula;

(5) Apply an eartag, tattoo, backtag, and legband;

(6) Certify the disease status of a poultry flock with regard to disease caused by *Salmonella enteritidis,* chlamydiosis and exotic Newcastle disease, by evaluating records of the flock's participation in and testing by Federal and State poultry health programs;

(7) Properly complete certificates for domestic and international movement of animals;

(8) Apply and remove official seals;

(9) Perform a necropsy on livestock;

(10) Recognize clinical signs and lesions of exotic animal diseases;

(11) Plan a disease control strategy for a livestock unit;

(12) Vaccinate for brucellosis and fill out the vaccination certificate;

(13) Draw and ship blood for testing;

(14) Perform a caudal fold test for tuberculosis;

(15) Develop appropriate cleaning and disinfection plans to control communicable livestock disease spread; and

(16) Explain basic principles for control of diseases for which APHIS or APHIS-State cooperative programs exist, such as brucellosis, pseudorabies, and tuberculosis.

(Approved by the Office of Management and Budget under control number 0579–0032)

[57 FR 54912, Nov. 23, 1992, as amended at 61 FR 56891, Nov. 5, 1996]

§ 161.3 Standards for accredited veterinarian duties.

An accredited veterinarian shall perform the functions of an accredited veterinarian only in a State in which the accredited veterinarian is licensed or legally able to practice veterinary medicine. An accredited veterinarian shall perform the functions of an accredited veterinarian and carry out all responsibilities under applicable Federal programs and cooperative programs subject to direction provided by the Veterinarian-in-Charge and in accordance with any regulations and instructions issued to the accredited veterinarian by the Veterinarian-in-Charge, and shall observe the following specific standards:

(a) An accredited veterinarian shall not issue a certificate, form, record or report which reflects the results of any inspection, test, vaccination or treatment performed by him or her with respect to any animal, other than those in regular health maintenance programs, unless he or she has personally inspected that animal within 10 days prior to issuance. Inspections under this paragraph must be conducted in a location that allows the accredited veterinarian sufficient space to observe the animal in such a manner as to detect abnormalities related to areas such as, but not limited to, locomotion, body excretion, respiration, and skin conditions. An accredited veterinarian shall examine such an animal showing abnormalities, in order to determine whether or not there is clinical evidence compatible with the presence or absence of a communicable disease.

(1) Following the first two inspections of a herd or flock as part of a regular health maintenance program, an accredited veterinarian shall not issue a certificate, form, record or report which reflects the results of any inspection, test, vaccination or treatment performed by him or her with respect to any animal in that program, unless he or she has personally inspected that animal within 10 days prior to issuance.

(2) Following the third and subsequent inspections of a herd or flock in a regular health maintenance program, an accredited veterinarian shall not issue a certificate, form, record or report which reflects the results of any inspection, test, vaccination or treatment performed by him or her with respect to any animal in that program, unless he or she has personally inspected that animal within 30 days prior to issuance.

(b) An accredited veterinarian shall not issue, or allow to be used, any certificate, form, record or report, until, and unless, it has been accurately and fully completed, clearly identifying the animals to which it applies, and showing the dates and results of any inspection, test, vaccination, or treatment the accredited veterinarian has conducted, except as provided in paragraph (c) of this section, and the dates of issuance and expiration of the document. Certificates, forms, records, and reports shall be valid for 30 days following the date of inspection of the animal identified on the document. The accredited veterinarian shall distribute copies of certificates, forms, records, and reports according to instructions issued to him or her by the Veterinarian-in-Charge.

(c) An accredited veterinarian shall not issue any certificate, form, record, or report which reflects the results of any inspection, test, vaccination, or treatment performed by another accredited veterinarian, unless:

(1) The signing accredited veterinarian has exercised reasonable care, that is, a standard of care that a reasonably prudent person would use under the circumstances in the course of performing professional duties, to determine that the certificate, form, or report is accurate;

(2) The certificate, form, or report indicates that the inspection, test, vaccination, or treatment was performed by the other accredited veterinarian; identifies the other accredited veterinarian by name; and includes the date and the place where such inspection, test, or vaccination was performed; and,

(3) For a certificate, form, or report indicating results of a laboratory test, the signing accredited veterinarian shall keep a copy of the certificate, form, or report and shall attach to it either a copy of the test results issued by the laboratory, or a written record (including date and participants' names) of a conversation between the signing accredited veterinarian and the laboratory confirming the test results.

(d) An accredited veterinarian shall perform official tests, inspections, treatments, and vaccinations and shall submit specimens to designated laboratories in accordance with Federal and State regulations and instructions issued to the accredited veterinarian by the Veterinarian-in-Charge.

(e) An accredited veterinarian shall identify or be physically present to supervise the identification of reactor animals by tagging or such other method as may be prescribed in instructions issued to him or her by the Veterinarian-in-Charge or by a State Animal

Health Official through the Veterinarian-in-Charge.

(f) An accredited veterinarian shall immediately report to the Veterinarian-in-Charge and the State Animal Health Official all diagnosed or suspected cases of a communicable animal disease for which a APHIS has a control or eradication program in 9 CFR chapter I, and all diagnosed or suspected cases of any animal disease not known to exist in the United States as provided by §71.3(b) of this chapter.

(g) While performing accredited work, an accredited veterinarian shall take such measures of sanitation as are necessary to prevent the spread of communicable diseases of animals by the accredited veterinarian.

(h) An accredited veterinarian shall keep himself or herself currently informed on Federal and State regulations that are provided to him or her by the Veterinarian-in-Charge, or by a State official through the Veterinarian-in-Charge, governing the movement of animals, and on procedures applicable to disease control and eradication programs, including emergency programs.

(i) An accredited veterinarian shall not use or dispense in any manner, any pharmaceutical, chemical, vaccine or serum, or other biological product authorized for use under any Federal regulation or cooperative disease eradication program, in contravention of applicable Federal or State statutes, regulations, and policies.

(j) An accredited veterinarian shall be responsible for the security and proper use of all official certificates, forms, records, and reports; tags, bands, or other identification devices; and approved digital signature capabilities used in his or her work as an accredited veterinarian and shall take reasonable care to prevent the misuse thereof. An accredited veterinarian shall immediately report to the Veterinarian-in-Charge the loss, theft, or deliberate or accidental misuse of any such certificate, form, record, or report; tag, band, or other identification device; or approved digital signature capability.

(k) An accredited veterinarian may issue an origin health certificate for export use pursuant to part 91 of this chapter without including test results from a laboratory, if the Veterinarian-in-Charge has determined that such action is necessary to save time in order to meet an exportation schedule and agrees to add the test results to the certificate at a later time. In such cases, the accredited veterinarian shall state on a removable attachment to the certificate that such test results are to be added by the Veterinarian-in-Charge.

[57 FR 54912, Nov. 23, 1992; 58 FR 8820, Feb. 17, 1993; 60 FR 39842, Aug. 4, 1995; 60 FR 55443, Nov. 1, 1995; 62 FR 25445, May 9, 1997]

§ 161.4 Suspension or revocation of veterinary accreditation; criminal and civil penalties.

(a) The Administrator is authorized to suspend for a given period of time, or to revoke, the accreditation of a veterinarian when he or she determines that the accredited veterinarian has not complied with the ''Standards for Accredited Veterinarian Duties'' as set forth in §161.3 of this part, or, in lieu thereof, to issue a written notice of warning to the accredited veterinarian when the Administrator determines a notice of warning will be adequate to attain compliance with the Standards.

(b) Accreditation shall be automatically terminated when an accredited veterinarian is not licensed or legally able to practice veterinary medicine in at least one State.

(c) Accreditation shall be automatically revoked when an accredited veterinarian is convicted of a crime in either State or Federal court, if such conviction is based on the performance or nonperformance of any act required of the veterinarian in his or her capacity as an accredited veterinarian.

(d) Any accredited veterinarian who knowingly issues or signs a false, incorrect, or mislabeled animal health or inspection certificate, blood sample, official brucellosis vaccination certificate, or official tuberculin test certificate in accordance with this chapter, shall be subject to such civil penalties and such criminal liabilities as are provided by 18 U.S.C. 1001, 21 U.S.C. 117, 122, 127, and 134e, or other applicable Federal statutes. Such action may be in addition to, or in lieu of, suspension

or revocation of accredited veterinarian status in accordance with this section.

PART 162—RULES OF PRACTICE GOVERNING REVOCATION OR SUSPENSION OF VETERINARIANS' ACCREDITATION

Subpart A—General

Sec.
162.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

162.10 Summary suspension of accreditation of veterinarians.
162.11 Notification.
162.12 Informal conference.
162.13 Formal complaint.

AUTHORITY: 15 U.S.C. 1828; 21 U.S.C. 105, 111–114, 114a, 114a–1, 115, 116, 120, 121, 125, 134b, 134f, 612, and 613; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 57 FR 54915, Nov. 23, 1992, unless otherwise noted.

Subpart A—General

§ 162.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings for the revocation or suspension of accreditation of veterinarians (9 CFR parts 160 and 161). In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 162.10 Summary suspension of accreditation of veterinarians.

In any situation where the Administrator has reason to believe that any veterinarian accredited under the provisions of 9 CFR parts 160 and 161 of this subchapter has not complied with the ''Standards for Accredited Veterinarian Duties'' set forth in §161.3 of this subchapter, and deems such action necessary in order to prevent the introduction into the United States or the spread from one State to another of a contagious, infectious, or communicable disease of animals, or to insure that animals intended or offered for export to foreign countries are free from disease, the Administrator may suspend the accreditation of such veterinarian pending final determination in the proceeding, effective upon oral or written notification, whichever is earlier. In the event of oral notification, a written confirmation thereof shall be given to such veterinarian pursuant to §1.147(b) of the Uniform Rules of Practice (7 CFR 1.147(b)) as promptly as circumstances permit. Such suspension shall have no relevance with respect to the final determination in the proceeding.

§ 162.11 Notification.

The Veterinarian-in-Charge shall notify an accredited veterinarian when there is reason to believe that the accredited veterinarian has not complied with the ''Standards for Accredited Veterinarian Duties'' as contained in §161.3 of this subchapter. The notification shall be in writing, with a copy to the State Animal Health Official, and shall include a statement of the basis for the belief that the accredited veterinarian has failed to comply with the Standards and shall notify the accredited veterinarian if the Veterinarian-in-Charge has arranged to hold an informal conference to discuss the matter.

§ 162.12 Informal conference.

(a) The Veterinarian-in-Charge, in consultation with the State Animal Health Official and the accredited veterinarian, shall designate the time and place for the holding of an informal conference to review the matter, unless the Veterinarian-in-Charge determines that an informal conference is inappropriate. An informal conference is inappropriate only if the Veterinarian-in-Charge decides to dismiss the case based on available facts, or if civil or criminal charges based on the actions or inactions believed to be in violation of the ''Standards for Accredited Veterinarian Duties'' contained in §161.3 of this subchapter are pending against the accredited veterinarian. An informal

conference shall include the Veterinarian-in-Charge or his or her representative, the accredited veterinarian, and any other persons the Veterinarian-in-Charge requests to attend due to their involvement in or knowledge of the possible violation. The State Animal Health Official will be invited to attend each informal conference held regarding activities in his or her State.

(b) Prior to, during, or at the conclusion of the informal conference, the Veterinarian-in-Charge may issue a written warning to the accredited veterinarian without further procedure after determining that a warning with appropriate instructions will be adequate to attain compliance with the Standards.

(c) If prior to, during, or at the conclusion of, the informal conference, the accredited veterinarian consents, in writing, to the issuance of an order revoking or suspending his or her accreditation for a specified period of time, in lieu of further procedure, the Veterinarian-in-Charge may issue such a consent order without further procedure.

(d) If prior to, during, or after the informal conference, but prior to the issuance of a formal complaint, the accredited veterinarian is found not to have violated the regulations, the Veterinarian-in-Charge will issue a letter dismissing the case, and provide a copy of the letter to the accredited veterinarian and to the State Animal Health Official. Prior to, during, or after the informal conference, the Veterinarian-in-Charge may issue a letter identifying actions of the accredited veterinarian that were minor violations of the Standards, instructing the accredited veterinarian in proper procedures, and admonishing the accredited veterinarian to use greater care in performing these procedures in the future.

[57 FR 54915, Nov. 23, 1992; 57 FR 60086, Dec. 18, 1992]

§ 162.13 Formal complaint.

If a consent order has not been issued, or if, after an informal conference, the Veterinarian-in-Charge has not issued a letter of dismissal or letter of warning to the accredited veterinarian, a formal complaint may be issued by the Administrator in accordance with § 1.135 of the Uniform Rules of Practice (7 CFR 1.135).

SUBCHAPTER K—PUBLIC INFORMATION

PART 165—AVAILABILITY OF INFORMATION

§ 165.1 Availability of information.

The Animal and Plant Health Inspection Service regulations relating to availability of information to the public and disclosure of records under 5 U.S.C. 552, which are set forth in 7 CFR part 370, are incorporated into this subchapter.

(5 U.S.C. 552, 559)

[32 FR 10915, July 26, 1967, as amended at 36 FR 24928, Dec. 24, 1971]

SUBCHAPTER L—SWINE HEALTH PROTECTION

PART 166—SWINE HEALTH PROTECTION

GENERAL PROVISIONS

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166.3 Separation of swine from the garbage handling and treatment areas.
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166.13 Licensee responsibilities.
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166.15 State status.

AUTHORITY: 7 U.S.C. 3802, 3803, 3804, 3808, 3809, and 3811; 7 CFR 2.22, 2.80, and 371.2(d).

SOURCE: 47 FR 49945, Nov. 3, 1982, unless otherwise noted.

GENERAL PROVISIONS

§ 166.1 Definitions in alphabetical order.

For the purposes of this part, the following terms shall have the meanings assigned them in this section. Unless otherwise required by the context, the singular form shall also import the plural and the masculine form shall also import the feminine, and vice versa. Words undefined in the following paragraphs shall have the meaning attributed to them in general usage as reflected by definitions in a standard dictionary.

Act. The Swine Health Protection Act (Pub. L. 96–468) as amended by the Farm Credit Act Amendments of 1980 (Pub. L. 96–592).

Administrator. The Administrator, Animal and Plant Health Inspection Service, or any person authorized to act for the Administrator.

Animal and Plant Health Inspection Service (APHIS). The Animal and Plant Health Inspection Service of the United States Department of Agriculture.

Animals. All domesticated and wild mammalian, poultry, and fish species, and wild and domesticated animals, including pets such as dogs and cats.

Area Veterinarian in Charge. The veterinarian of APHIS who is assigned by the Administrator to supervise and perform the official work of APHIS in a State or States or any other official to whom authority has heretofore been delegated or to whom authority may hereafter be delegated to act in his stead.

Facility. The site and all objects at this site including equipment and structures where garbage is accumulated, stored, handled, and cooked as a food for swine and which are fenced in or otherwise constructed so that swine are unable to have access to untreated garbage.

Garbage. All waste material derived in whole or in part from the meat of any animal (including fish and poultry) or other animal material, and other refuse of any character whatsoever that has been associated with any such material, resulting from the handling, preparation, cooking or consumption of food, except that such term shall not include waste from ordinary household operations which is fed directly to swine on the same premises where such household is located.

Inspector. Any individual employed by the United States Department of Agriculture or by a State for the purposes of enforcing the Act and this part.

License. A permit issued to a person for the purpose of allowing such person to operate a facility to treat garbage that is to be fed to swine.

Licensee. Any person licensed pursuant to the Act and regulations.

Person. Any individual, corporation, company, association, firm, partnership, society or joint stock company or other legal entity.

Premises. The location of a garbage treatment facility, as defined in this part, and any areas owned or controlled by the operator of the facility where swine are kept or fed by the operator.

Rendered product. Waste material derived in whole or in part from the meat of any animal (including fish and poultry) or other animal material, and other refuse of any character whatsoever that has been associated with any such material, resulting from the handling, preparation, cooking or consumption of food that has been ground and heated to a minimum temperature of 230° F. to make products such as, but not limited to, animal, poultry, or fish protein meal, grease or tallow.

State. The fifty States, the District of Columbia, Guam, Puerto Rico, the Virgin Islands of the United States, American Samoa, the Commonwealth of the Northern Mariana Islands, and the territories and possessions of the United States.

State animal health official. The individual employed by a State who is responsible for livestock and poultry disease control and eradication programs or any other official to whom authority is delegated to act for the State animal health official.

Treated garbage. Edible waste for animal consumption derived from garbage (as defined in this section) that has been heated throughout at boiling or equivalent temperature (212° F. or 100° C. at sea level) for 30 (thirty) minutes under the supervision of a licensee.

Treatment. The heating of garbage to specifications as set forth in this part.

Untreated garbage. Garbage that has not been treated in accordance with the Act and these regulations.

(Sec. 511, Pub. L. 96–592, 94 Stat. 3451 (7 U.S.C. 3802); secs. 4, 5, 9, 12, Pub. L. 96–468, 94 Stat. 2229 (7 U.S.C. 3803, 3804, 3808, 3811) 7 CFR 2.17, 2.51, and 371.2(d))

[47 FR 49945, Nov. 3, 1982, as amended at 48 FR 22290, May 18, 1983; 52 FR 4890, Feb. 18, 1987; 56 FR 26899, June 12, 1991]

§ 166.2 General restrictions.

(a) No person shall feed or permit the feeding of garbage to swine unless the garbage is treated to kill disease organisms, pursuant to this Part, at a facility operated by a person holding a valid license for the treatment of garbage; except that the treatment and license requirements shall not apply to the feeding or the permitting of the feeding to swine of garbage only because the garbage consists of any of the following: rendered products; bakery waste; candy waste; eggs; domestic dairy products (including milk); fish from the Atlantic Ocean within 200 miles of the continental United States or Canada; or fish from inland waters of the United States or Canada which do not flow into the Pacific Ocean.

(b) No person operating such a facility may be licensed to treat garbage unless he or she meets the requirements of this part designed to prevent the introduction or dissemination of any infectious or communicable disease of animals and unless the facility is so constructed that swine are unable to have access to untreated garbage or equipment and material coming in contact with untreated garbage.

(c) The regulations of this part shall not be construed to repeal or supersede State laws that prohibit feeding of garbage to swine or to prohibit any State from enforcing requirements relating to the treatment of garbage that is to be fed to swine or the feeding thereof which are more stringent than the requirements contained in this part. In a State which prohibits the feeding of garbage to swine, a license under the Act will not be issued to any applicant.

(Sec. 511, Pub. L. 96–592, 94 Stat. 3451 (7 U.S.C. 3802); secs. 4, 5, 9, 10, 12, Pub. L. 96–468, 94 Stat. 2229–2233 (7 U.S.C. 3803, 3804, 3808, 3809, 3811) 7 CFR 2.17, 2.51, and 371.2(d))

[47 FR 49945, Nov. 3, 1982, as amended at 49 FR 14497, Apr. 12, 1984; 52 FR 4890, Feb. 18, 1987]

§ 166.3 Separation of swine from the garbage handling and treatment areas.

(a) Access by swine to garbage handling and treatment areas shall be prevented by construction of facilities to exclude all ages and sizes of swine.

(b) All areas and drainage therefrom, used for the handling and treatment of untreated garbage shall be inaccessible to swine on the premises. This shall include the roads and areas used to transport and handle untreated garbage on the premises.

§ 166.4 Storage of garbage.

(a) Untreated garbage at a treatment facility shall be stored in covered and leakproof containers until treated.

(b) Treated garbage shall be transported to a feeding area from the treatment facility only in (1) containers used only for such treated garbage; (2) containers previously used for garbage which have been cleaned and disinfected in accordance with § 166.14 of this part; or (3) containers in which the garbage was treated.

[47 FR 49945, Nov. 3, 1982, as amended at 52 FR 4890, Feb. 18, 1987]

§ 166.5 Licensed garbage-treatment facility standards.

Garbage-treatment facilities shall be maintained as set forth in this section.

(a) Insects and animals shall be controlled. Accumulation of any material at the facility where insects and rodents may breed is prohibited.

(b) Equipment used for handling untreated garbage, except for the containers in which the garbage has been treated, may not be subsequently used in the feeding of swine unless first cleaned and disinfected as set forth in § 166.14(b).

(c) Untreated garbage that is not to be fed to swine and materials in association with such garbage shall be disposed of in a manner consistent with all applicable governmental environmental regulations and in an area inaccessible to swine.

[47 FR 49945, Nov. 3, 1982, as amended at 52 FR 4890, Feb. 18, 1987]

§ 166.6 Swine feeding area standards.

Untreated garbage shall not be allowed into swine feeding areas. Any equipment or material associated with untreated garbage, except for containers holding treated garbage which was treated in such containers, shall not be allowed into swine feeding areas at treatment premises until properly cleaned and disinfected as set forth in § 166.14(b) of this part.

[47 FR 49945, Nov. 3, 1982, as amended at 52 FR 4890, Feb. 18, 1987]

§ 166.7 Cooking standards.

(a) Garbage shall be heated throughout at boiling (212° F. or 100° C. at sea level) for 30 (thirty) minutes.

(b) Garbage shall be agitated during cooking, except in steam cooking equipment, to ensure that the prescribed cooking temperature is maintained throughout the cooking container for the prescribed length of time.

§ 166.8 Vehicles used to transport garbage.

Vehicles used by a licensee to transport untreated garbage, except those that have also been used to treat the garbage so moved, shall not be used for hauling animals or treated garbage until cleaned and disinfected as set forth in § 166.14(c) of this part.

[47 FR 49945, Nov. 3, 1982, as amended at 52 FR 4890, Feb. 18, 1987]

§ 166.9 Recordkeeping.

(a) Each licensee shall record the destination and date of removal of all treated or untreated garbage removed from the licensee's premises.

(b) Such records shall be legible and indelible.

(c) Each entry in a record shall be certified as correct by initials or signature of the licensee or an authorized agent or employee of the licensee.

(d) Such records shall be maintained by the licensee for a period of 1 year from the date made and shall be made available to inspectors upon request during normal business hours at that treatment facility.

(Approved by the Office of Management and Budget under control number 0579–0066)

[47 FR 49945, Nov. 3, 1982, as amended at 48 FR 57474, Dec. 30, 1983; 52 FR 4890, Feb. 18, 1987]

§ 166.10 Licensing.

(a) *Application.* Any person operating or desiring to operate a treatment facility for garbage that is to be treated and fed to swine shall apply for a license on a form which will be furnished, upon request, by the Area Veterinarian in Charge or, in States with primary enforcement responsibility, by the State animal health official in the State in which the person operates or intends to operate. When a person operates more than one treatment facility, a separate application to be licensed shall be made for each facility. Exemptions to the requirements of this paragraph may be granted in States other than those with primary enforcement

responsibility by the Administrator, if he finds that there would not be a risk to the swine industry in the United States. Any person operating or desiring to operate a facility to treat garbage to be fed to swine who would otherwise be required under this part to obtain a license to treat garbage only because it contains one or more of the items allowed to be fed to swine under §166.2(a) of this part is exempted from the requirements of this paragraph.

(b) *Acknowledgement of Act and regulations.* A copy of the Act and regulations shall be supplied to the applicant at the time the applicant is given a license application. The applicant shall sign a receipt at the time of the prelicensing inspection acknowledging that the applicant has received a copy of the Act and regulations, that the applicant understands them, and agrees to comply with the Act and regulations.

(c) *Demonstration of compliance with the regulations.* (1) Prior to licensing, each applicant shall demonstrate during an inspection of the premises, facilities, and equipment that the facilities and equipment to be used in the treatment of garbage comply with these regulations. If the applicant's facilities and equipment do not meet the standards established by the regulations, the applicant shall not be licensed and shall be advised of the deficiencies and the measures that must be taken to comply with the regulations.

(2) The licensee shall make the premises, facilities, and equipment available during normal business hours for inspections by an inspector to determine continuing compliance with the Act and regulations.

(3) The facilities and equipment of an applicant for a license shall be in compliance with all applicable governmental environmental regulations before the applicant will be licensed.

(d) *Issuance of license.* A license will be issued to an applicant when the requirements of paragraphs (a), (b), and (c) of this section have been met, provided that such facility is not located in a State which prohibits the feeding of garbage to swine; and further, that if the Administrator has reason to believe that the applicant for a license is unfit to engage in the activity for which application has been made by reason of the fact that the applicant is engaging in or has, in the past, engaged in any activity in apparent violation of the Act or the regulations which has not been the subject of an administrative proceeding under the Act, an administrative proceeding shall be promptly instituted in which the applicant will be afforded an opportunity for a hearing in accordance with the rules of practice under the Act, for the purpose of giving the applicant an opportunity to show cause why the application for license should not be denied. In the event it is determined that the application should be denied, the applicant shall be precluded from reapplying for a license for 1 year from the date of the order denying the application.

(Approved by the Office of Management and Budget under control number 0579–0065)

(Sec. 511, Pub. L. 96–592, 94 Stat. 3451 (7 U.S.C. 3802); secs. 4, 5, 9, 10, 12, Pub. L. 96–468, 94 Stat. 2229–2233 (7 U.S.C. 3803, 3804, 3808, 3809, 3811) 7 CFR 2.17, 2.51, and 371.2(d))

[47 FR 49945, Nov. 3, 1982, as amended at 48 FR 57474, Dec. 30, 1983; 49 FR 14497, Apr. 12, 1984; 52 FR 4890, Feb. 18, 1987; 56 FR 26899, June 12, 1991]

§166.11 Suspension and revocation of licenses.

(a) *Suspension or revocation after notice.* In addition to the imposition of civil penalties and the issuance of cease and desist orders under the Act, the license of any facility may be suspended or revoked for any violation of the Act or the regulations in this part. Before such action is taken, the licensee of the facility will be informed in writing of the reasons for the proposed action and, upon request, shall be afforded an opportunity for a hearing with respect to the merits or validity of such action, in accordance with rules of practice which shall be adopted for the proceeding.

(b) *Summary suspension.* If the Administrator has reason to believe that any licensee has not complied or is not complying with any provisions of the Act or regulations in this part and the Administrator deems such action necessary in order to protect the public

health, interest, or safety, the Administrator may summarily suspend the license of such persons pending a final determination in formal proceedings and any judicial review thereof, effective upon verbal or written notice of such suspension and the reasons therefor. In the event of verbal notification, written confirmation shall follow as soon as circumstances permit. This summary suspension shall continue in effect pending the completion of the proceeding and any judicial review thereof, unless otherwise ordered by the Administrator.

(c) The license of a person shall be automatically revoked, without action of the Administrator, upon the final effective date of the second criminal conviction of such person, as is stated in section 5(c) of the Act. The licensee will be notified in writing of such revocation by the Area Veterinarian in Charge or, in States having primary enforcement responsibility, by the State animal health official.

(d) Any person whose license has been suspended or revoked for any reason shall not be licensed in such person's own name or in any other manner, nor shall any of such person's employees be licensed for the purpose of operating the facility owned or operated by said licensee while the order of suspension or revocation is in effect. Any person whose license has been revoked shall not be eligible to apply for a new license for a period of 1 year from the effective date of such revocation. Any person who desires the reinstatement of a license that has been revoked must follow the procedure for new licensees set forth in § 166.10 of this part.

[47 FR 49945, Nov. 3, 1982, as amended at 52 FR 4890, Feb. 18, 1987; 56 FR 26899, June 12, 1991]

§ 166.12 Cancellation of licenses.

(a) The Area Veterinarian in Charge or, in States listed in § 166.15(d) of this part, the State animal health official shall cancel the license of a licensee when the Area Veterinarian in Charge or, in States listed in § 166.15(d) of this part, the State animal health official finds that no garbage has been treated for a period of 4 consecutive months at the facility operated by the licensee. Before such action is taken, the licensee of the facility will be informed in writing of the reasons for the proposed action and be given an opportunity to respond in writing. In those instances where there is a conflict as to the facts, the licensee shall, upon request, be afforded a hearing in accordance with rules of practice which shall be adopted for the proceeding.

(b) Any licensee may voluntarily have his or her license canceled by requesting such cancellation in writing and sending such request to the Area Veterinarian in Charge,[1] or, in States listed in § 166.15(d) of this part, to the State animal health official. The Area Veterinarian in Charge or, in States listed in § 166.15(d) of this part, the State animal health official shall cancel such license and shall notify the licensee of the cancellation in writing.

(c) Any person whose license is canceled in accordance with paragraph (a) or (b) of this section may apply for a new license at any time by following the procedure for obtaining a license set forth in § 166.10 of this part.

[52 FR 4891, Feb. 18, 1987, as amended at 56 FR 26899, June 12, 1991; 59 FR 67618, Dec. 30, 1994]

§ 166.13 Licensee responsibilities.

(a) A licensed facility shall be subject to inspections. Each inspector will be furnished with an official badge or identification card, either of which shall be sufficient identification to entitle access during normal business hours to the facility for the purposes of inspection. At such time the inspector is duly authorized to:

(1) Inspect the facility, including cooker function;

(2) Take samples of garbage;

(3) Observe and physically inspect the health status of all species of animals on the premises;

(4) Review records and make copies of such records; and

(5) Take photographs. A copy of each photograph will be provided to the licensee within 14 days.

[1] The name and address of the Area Veterinarian in Charge may be obtained from the Veterinary Services, Operational Support, 4700 River Road, Unit 33, Riverdale, Maryland 20737–1231.

(b) A licensee shall notify an inspector immediately upon detection of illness or death not normally associated with the licensee's operation in any animal species on the licensee's premises.

(c) A licensee shall notify an inspector or the State animal health official or the Area Veterinarian in Charge, as appropriate, of any change in the name, address, management or substantial control or ownership of his business or operation within 30 days after making such change.

(d) A licensee shall supply, upon request by an inspector, information concerning sources of garbage. Such information shall include the dates of supply and the names and addresses of the person and/or organization from which the garbage was received.

(Approved by the Office of Management and Budget under control number 0579–0065)

[47 FR 49945, Nov. 3, 1982, as amended at 48 FR 57474, Dec. 30, 1983; 52 FR 4890, Feb. 18, 1987. Redesignated at 52 FR 4891, Feb. 18, 1987]

§ 166.14 Cleaning and disinfecting.

(a) *Disinfectants to be used.* Disinfection required under the regulations in this Part shall be performed with one of the following:

(1) A permitted brand of sodium orthophenylphenate that is used in accordance with directions on the Environmental Protection Agency (EPA) approved label.

(2) A permitted cresylic disinfectant that is used in accordance with directions on the EPA-approved label, provided such disinfectant also meets the requirements set forth in §§ 71.10(b) and 71.11 of this chapter.

(3) Distinfectants which are registered under the Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. 135 *et seq.*), with tuberculocidal claims and labeled as efficacious against any species within the viral genus *Herpes,* that are used for purposes of this Part in accordance with directions on the EPA-approved label.

(b) All premises at which garbage has been fed to swine in violation of the Act or regulations in this part shall, prior to continued use for swine feeding purposes, be cleaned and disinfected under the supervision of an inspector or an accredited veterinarian as defined in Part 160 of this chapter as follows: Empty all troughs and other feeding and watering appliances, remove all litter, garbage, manure, and other organic material from the floors, posts, or other parts of such equipment, and handle such litter, garbage, manure, and other organic material in such manner as not to allow animal contact with such material; clean all surfaces with water and detergent and saturate the entire surface of the equipment, fencing, troughs, chutes, floors, walls, and all other parts of the facilities, with a disinfectant prescribed in paragraph (a) of this section. An exemption to the requirements of this paragraph may be given by the Administrator or, in States with primary enforcement responsibility, by the State animal health official, when it is determined that a threat to the swine industry does not exist.

(c) Any vehicle or other means of conveyance and its associated equipment which has been used by the licensee to move garbage, except any vehicle or other means of conveyance which also has been used to treat the garbage so moved, shall, prior to use for livestock-related or treated garbage hauling purposes, be cleaned and disinfected as follows: Remove all litter, garbage, manure, and other organic material from all portions of each means of conveyance, including all ledges and framework inside and outside, and handle such litter, garbage, manure, and other organic material in such manner as not to allow animal contact with such material; clean the interior and the exterior of such vehicle or other means of conveyance and its associated equipment with water and detergent; and saturate the entire interior surface, including all doors, endgates, portable chutes, and similar equipment with a disinfectant prescribed in paragraph (a) of this section.

(d) The owner of such facilities and vehicles shall be responsible for cleaning and disinfecting as required under this section, and the cleaning and disinfecting shall be done without expense

to the United States Department of Agriculture.

[47 FR 49945, Nov. 3, 1982. Redesignated and amended at 52 FR 4891, Feb. 18, 1987; 56 FR 26899, June 12, 1991]

§ 166.15 State status.

(a) The following States prohibit the feeding of garbage to swine: Alabama, Delaware, Georgia, Idaho, Illinois, Indiana, Iowa, Louisiana, Mississippi, Nebraska, New York, North Dakota, South Carolina, South Dakota, Tennessee, Virginia, and Wisconsin.

(b) The following States and Puerto Rico permit the feeding of treated garbage to swine: Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Florida, Hawaii, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nevada, New Hampshire, New Jersey, New Mexico, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Puerto Rico, Rhode Island, Texas, Utah, Vermont, Washington, West Virginia, and Wyoming.

(c) The following States have primary enforcement responsibility under the Act: Alabama, Arizona, California, Colorado, Florida, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New York, North Dakota, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Utah, Virginia, West Virginia, and Wisconsin.

(d) The following States issue licenses under cooperative agreements with the Animal and Plant Health Inspection Service, but do not have primary enforcement responsibility under the Act: Kentucky, Maryland, Puerto Rico, Texas, and Washington.

(e) The public may contact the Area Veterinarian in Charge, Animal and Plant Health Inspection Service, United States Department of Agiculture or State animal health official, or the Animal and Plant Health Inspection Service, Veterinary Services, Swine Health, 4700 River Road, Unit 37, Riverdale, Maryland 20737–1231, concerning the feeding of garbage to swine.

[47 FR 49945, Nov. 3, 1982, as amended at 51 FR 2348, Jan. 16, 1986; 51 FR 15757, Apr. 28, 1986. Redesignated and amended at 52 FR 4891, Feb. 18, 1987. 52 FR 13231, Apr. 22, 1987; 52 FR 34208, Sept. 10, 1987; 52 FR 37283, Oct. 6, 1987; 55 FR 30688, July 27, 1990; 56 FR 7555, Feb. 25, 1991; 56 FR 26899, June 12, 1991; 56 FR 37827, Aug. 9, 1991; 59 FR 67618, Dec. 30, 1994]

PART 167—RULES OF PRACTICE GOVERNING PROCEEDINGS UNDER THE SWINE HEALTH PROTECTION ACT

Subpart A—General

Sec.

167.1 Scope and applicability of rules of practice.

Subpart B—Supplemental Rules of Practice

167.10 Stipulations.

AUTHORITY: Sec. 5, 94 Stat. 2230; sec. 6, 94 Stat. 2231; sec. 12, 94 Stat. 2233; 7 U.S.C. 3804, 3805, 3811; 7 CFR 2.22, 2.80, 371.2(d).

SOURCE: 48 FR 30095, June 30, 1983, unless otherwise noted.

Subpart A—General

§ 167.1 Scope and applicability of rules of practice.

The Uniform Rules of Practice for the Department of Agriculture promulgated in subpart H of part 1, subtitle A, title 7, Code of Federal Regulations, are the Rules of Practice applicable to adjudicatory, administrative proceedings under sections 5 and 6 of the Swine Health Protection Act (7 U.S.C. 3804, 3805). In addition, the Supplemental Rules of Practice set forth in subpart B of this part shall be applicable to such proceedings.

Subpart B—Supplemental Rules of Practice

§ 167.10 Stipulations.

(a) At any time prior to the issuance of a complaint seeking a civil penalty under the Act, the Administrator, in his discretion, may enter into a stipulation with any person in which:

(1) The Administrator or the Administrator's delegate gives notice of an

apparent violation of the Act, or the regulations issued thereunder, by such person and affords such person an opportunity for a hearing regarding the matter as provided by the Act;

(2) Such person expressly waives hearing and agrees to a specified order which may include an agreement to pay a specified penalty within a designated time; and

(3) The Administrator agrees to accept the order in settlement of the particular matter conditioned upon timely payment of the penalty if the order includes an agreement to pay a penalty.

(b) If the order includes an agreement to pay a penalty and the penalty is not paid within the time designated in such a stipulation, the amount of the penalty shall not be relevant in any respect to the penalty which may be assessed after issuance of a complaint.

PARTS 168–199 [RESERVED]

FINDING AIDS

A list of CFR titles, subtitles, chapters, subchapters and parts and an alphabetical list of agencies publishing in the CFR are included in the CFR Index and Finding Aids volume of the Code of Federal Regulations which is published separately and revised annually.

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(Revised as of January 1, 2000)

The Director of the Federal Register has approved under 5 U.S.C. 552(a) and 1 CFR Part 51 the incorporation by reference of the following publications. This list contains only those incorporations by reference effective as of the revision date of this volume. Incorporations by reference found within a regulation are effective upon the effective date of that regulation. For more information on incorporation by reference, see the preliminary pages of this volume.

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Veterinary Services, Animal and Plant Health Inspection Service, USDA, 4700 River Road, Riverdale, MD 20737–1231	
Uniform Methods and Rules–Bovine Tuberculosis Eradication (March13, 1985 Edition).	77.1; 77.4; 77.5
Uniform Methods and Rules–Bovine Tuberculosis Eradication(February 3, 1989 Edition).	77.1; 77.4; 77.5
Uniform Methods and Rules–Bovine Tuberculosis Eradication(January 22, 1999 Edition).	77.1; 77.3, 77.4; 77.5
AgriTech Systems, Inc.	
100 Fore Street, Portland, ME 04101	
CITE^{R} Brucella Abortus Antibody Test Kit instructions, licensed and approved by USDA, December 31, 1987.	78.1(a)(9)
State of Texas	
Texas Animal and Health Commission (TAHC0), 2105 Kramer Lane, Austin, TX 78758	
Texas Administrative Code, 1998 Edition (Title 4, Part 2, Section 41.2).	72.5
World Health Organization	
49 Sheridan Ave., Albany, NY 12210	
Laboratory Techniques in Rabies, Chapter 37, 4th Edition (1996)	113.209
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92.301 (c)(2)(iii)(B) and (D) amended; (c)(2)(iv)(A) removed; (c)(2)(iv)(B), (C) and (D) redesignated as (c)(2)(iv)(A), (B) and (C); (c)(2)(iii)(C) and new (iv)(A), (B) and (C) revised; (c)(2)(iii)(E), (iv)(D), (E) and (F) added 15489
(c)(2)(v)(D) removed; (c)(2)(v)(A)(*2*)(*ii*), (*iii*), and (*iv*), (E), (F), (G), (H), (vi)(B)(*5*), (*6*) and (*7*) redesignated as (c)(2)(v)(A)(*2*)(*iii*), (*iv*), (*v*), (D), (E), (F), (G), (vi)(B)(*6*), (*7*), and (*8*); new (c)(2)(v)(A)(*2*)(*ii*) and (vi)(B)(*5*) added; (c)(2)(v)(A)(*2*)(*i*), new (c)(2)(v)(A)(*2*)(*iii*), (*iv*), and (*v*), (C), new (D) and (E) revised; new (c)(2)(v)(F) and (G) amended 15490
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92.304 Heading and (a)(3)(iv)(A) amended 15489
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92.317 (a) amended; (b) revised 33863
92.319—92.320 Undesignated center heading amended 15489
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95.1 Amended; interim 19796
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147.12 (a)(2) amended; (c) added; eff. 1–4–93 57342
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78.1 Amended 48445
78.41 (a) and (b) amended; interim 4361
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92.323 Heading revised; (a) and (b) amended 45238
92.324 Heading revised; text amended 45238
92.326 Amended 45238

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92.400 Amended; eff. 1-27-94 68509
92.403 (e) amended 38283
92.406 (a) amended; eff. 1-27-94 68509
92.418 Heading and (a) amended; (a) heading revised; (b)(2)(ii)(C) redesignated as (b)(2)(ii)(D); new (b)(2)(ii)(C) added 37641
92.427 (c)(1), (d) introductory text, (2) and (e)(2) amended; eff. 1-27-94 68509
92.503 (e) amended 38283
94 Authority citation revised 58753
94.1 (a)(2) amended 11367, 58753
(a)(2) and (d)(1) amended 28344
(a)(2) revised; (d)(1) amended 36596
94.5 (h)(10) and (i) added; eff. 1-19-94 66248
94.9 (a) amended 11367
94.10 (a) amended 11367
94.11 (a) amended 11367, 28344, 36596
94.12 (a) amended 11367
Regulation at 58 FR 11367 withdrawn 13698
(a) amended 36596
94.13 Introductory text amended 11367
Regulation at 58 FR 11367 withdrawn 13698
Regulation at 57 FR 62177 confirmed 36594
Introductory text amended 36596
94.18 (a) revised; interim 4308, 65104
Regulation at 58 FR 4308 confirmed 36594
94.19 Added 50251
96 Authority citation revised 47030
96.2 Redesignated as 96.3; new 96.2 added; interim 47031
96.3 Redesignated as 96.4; new 96.3 redesignated from 96.2; interim 47031
96.4 Redesignated as 96.5; new 96.4 redesignated from 96.3 and amended; interim 47031
96.5 Redesignated as 96.6; new 96.5 redesignated from 96.4; interim 47031
96.6 Redesignated as 96.7; new 96.6 redesignated from 96.5; interim 47031
96.7 Redesignated as 96.8; new 96.7 redesignated from 96.6; interim 47031
96.8 Redesignated as 96.9; new 96.8 redesignated from 96.7; interim 47031

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96.9 Redesignated as 96.10; new 96.9 redesignated from 96.8; interim 47031
96.10 Redesignated as 96.11; new 96.10 redesignated from 96.9; (c)(1) amended; interim 47031
96.11 Redesignated as 96.12; new 96.11 redesignated from 96.10; interim 47031
96.12 Redesignated as 96.13; new 96.12 redesignated from 96.11 and amended; interim 47031
96.13 Redesignated as 96.14; new 96.13 redesignated from 96.12; interim 47031
96.14 Redesignated as 96.15; new 96.14 redesignated from 96.13; interim 47031
96.15 Redesignated as 96.16; new 96.15 redesignated from 96.14; interim 47031
96.16 Redesignated from 96.15; interim 47031
97.1 (a) introductory text and (3) amended 32434
97.2 Table amended 28345
98.31 Amended 37643
98.33 (a) and (b) redesignated as (d) and (e); heading and new (d) revised; new (a), (b) and (c) added 37643
98.34 (a)(1) amended 37644
98.35 Heading revised; (a) amended; (c) and (d) added 37644
98.36 Revised 37644
98.37 Removed 37644
98.38 Removed 37644
98.39 Removed 37644
113.46 (b)(2) revised 50252
124 Added 11369
124.23 (b) corrected 29028
130 Authority citation revised 38957, 67654
130.1 Amended 38957
Amended; eff. 1-21-94 67654
130.2 (a) amended 38958
(a) table amended; eff. 1-21-94 67654
130.3 (a) amended 38958
Heading and (a) revised; (c) redesignated as (c)(1); (c)(2) and (3) added; OMB number; eff. 1-21-94 67654
130.4 Revised 38958
130.5 (a) revised 38958
(b) revised; eff. 1-21-94 67655
130.6 (a) and (b)(1) amended 38958

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Redesignated as 130.20; new 130.6 added; OMB number; eff. 1-21-94 67655
130.7 (a) introductory text revised 38958
Redesignated as 130.21; new 130.7 added; OMB number; eff. 1-21-94 67655
130.8 Redesignated as 130.22; new 130.8 added; OMB number; eff. 1-21-94 67655
130.9 Redesignated as 130.23; eff. 1-21-94 67655
Added (OMB number); eff. 1-21-94 67656
130.14 Added 38958
130.15 Added 38958
130.16 Added 38959
130.17 Added 38959
130.18 Added 38960
130.20 Redesignated from 130.6; eff. 1-21-94 67655
(d) added; OMB number; eff. 1-21-94 67656
130.21 Redesignated from 130.7; eff. 1-21-94 67655
Heading and (b) revised; (a)(1), (2) and (3) amended; (a)(4), (5) and (c) added; OMB number; eff. 1-21-94 67656
130.22 Redesignated from 130.8; eff. 1-21-94 67655
130.23 Redesignated from 130.9; eff. 1-21-94 67655
130.50 (a)(1) and (2) revised; (a)(3) and (4) amended; (a)(5) and (6) added 38960
(a)(3) revised; (a)(5) and (6) amended; (a)(7), (8) and (9) added; eff. 1-21-94 67656
130.51 (a) and (c) revised; (b)(1) and (2) amended; (b)(3) and (4) added 38960
156 Authority citation revised 67656
156.7 Amended; heading revised; eff. 1-21-94 67656
161.3 (f) corrected 8820

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2.31 (d)(1)(x)(C) amended 67611
2.38 (h)(2) amended 67612
2.78 (b) amended 67612
11.1 Footnote 1 amended 67612

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11.7 Footnote 6 amended 67612
50 Authority citation revised 67612
50.16 Footnote 1 amended 67612
51 Authority citation revised 67612
51.1 Amended 52235
Footnote 1 amended 67612
51.3 (b)(2) amended; interim 12533
(a)(4) added 21635
Regulation at 59 FR 12533 confirmed 51103
(a)(1), (2)(i), (3) and (4) amended; (a)(2)(ii) revised 52235
51.6 (c) revised; interim 12533
Regulation at 59 FR 12533 confirmed 51103
54 Authority citation revised 67612
54.1 Amended 21920, 48993
Footnote 1 amended 67612
54.11 Amended 67612
71 Authority citation revised 67612
71.19 (g) amended 67612
72.6 Footnote 3 amended 67612
72.13 Footnote 4 amended 67612
75 Authority citation revised 67613
75.4 OMB number 67133
Footnotes 1, 2 and 3 amended 67613
77 Authority citation revised 67613
77.1 Amended 9071
Amended; interim 29186, 31922, 36692, 60886
Regulation at 59 FR 29186 confirmed 44893
Regulation at 59 FR 36692 confirmed 60551
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77.3 Revised 9072
78 Technical correction 2649
Authority citation revised 67613
78.1 Amended 9399, 18951, 31923, 35617
(a)(9) amended 67613
78.7 OMB number 67133
78.8 OMB number 67133
78.9 OMB number 67133
78.12 OMB number 67133
78.22 OMB number 67133
78.23 OMB number 67133
78.30 (a) amended; (c) added 18952
78.31 OMB number 67133
78.32 Revised; interim 12533
Regulation at 59 FR 12533 confirmed 51103
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78.41 (b) and (c) amended; interim 14360
(a) and (b) amended; interim 15613, 47534

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78.43 Regulation at 58 FR 68506 confirmed....22497
79 Authority citation revised....21921, 67613
79.1 Amended....21921
79.2 (a)(1) through (7) redesignated as (a)(2)(i) through (vii); (a) introductory text and new (2)(iv) revised; new (a)(1) and (2) introductory text added; new (a)(2)(ii), (iii), (v), (vi) and (vii) amended....21921
(a)(2)(ii) and (vii) amended....21992
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79.3 (a) and (b) amended....21922
Footnote 2 amended....67613
82 Authority citation revised....67613
82.1 Footnote 3 amended....67613
82.3 Footnote 3 amended....67613
82.30 Footnote 1 amended....67613
82.32 Footnote 2 amended....67613
82.33 Footnote 4 amended....67613
82.37 Footnote 7 amended....67613
85 Authority citation revised....67613
85.1 Footnotes 1, 5 and 6 amended....67613
85.5 OMB number....67133
85.6 OMB number....67133
85.10 OMB number....67133
91 Authority citation revised....48994, 67613
91.3 (a) amended....48994
Footnote 1 amended....67613
91.5 Footnote 2 amended....67614
91.6 (a)(2) Footnote 5 redesignated as Footnote 4; (a)(3) revised....48994
91.8 (a) introductory text revised; (a)(2) Footnote 5 redesignated as Footnote 4....48994
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Footnote 4 amended....67614
91.9 OMB number....67133
91.14 (a)(1)(iii) removed....9617
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(a)(1)(i)(B) revised; (a)(15)(ii) through (vi) redesignated as (a)(15)(iii) through (vii); new (a)(15)(ii) added....21637
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92.100—92.107 (Subpart A) Footnotes 2 through 13 redesignated as Footnotes 3 through 14; interim....10732
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Regulation at 59 FR 10732 confirmed....47234
92.100 Amended; interim....10732
Regulation at 59 FR 10732 comment period extended....34375
Amended....47068
Regulation at 59 FR 10732 confirmed....47234
92.101 (b)(3)(i) revised; interim....10732
Regulation at 59 FR 10732 comment period extended....34375
(c)(3)(ii) amended....36026
Regulation at 59 FR 36026 eff. date confirmed as 9–13–94....44893
(b)(3)(i)(B) and (I) amended....47068
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(b)(3)(i)(B) and (I) corrected....63881
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92.102 (a) revised; (d) added....36026
Regulation at 59 FR 36026 eff. date confirmed as 9–13–94....44893
92.103 Heading, footnote and (a)(2)(v) removed; (a)(2)(i) through (iv) redesignated as (a)(2)(ii) through (v); (a) introductory text, new (2)(i) and (viii) added; (a)(1), new (2)(ii) and new (vi) revised; (a)(2)(vii) amended....47068
(a)(2)(iv) through (vii) added; interim....10733
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92.104 (c)(12) and (13) redesignated as (c)(15) and (16); new (c)(12), new (13), (14), (d)(8), (9), and (10) added; interim....10733

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Regulation at 59 FR 10733 comment period extended 34375
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(c)(14) and (d)(10) revised; (c)(15) and (16) redesignated as (c)(16) and (17); new (c)(15) and (d)(11) added 47235
92.105 (b) amended 36026
Regulation at 59 FR 36026 eff. date confirmed as 9–13–94 44893
(a) revised 47069
92.106 (a) amended 36026
Regulation at 59 FR 36026 eff. date confirmed as 9–13–94 44893
(c)(5) and (6) removed; (c)(7) redesignated as (c)(5); (a), (b)(2), (4), (c)(2)(ii)(K), (3)(i)(A), (*1*), (B), (ii)(D), (E), (iii), new (c)(5)(iii) heading, undesignated text and (d) introductory text amended; (c) heading, undesignated text, (1), (2)(i) introductory text, (3) heading, introductory text, (i)(A)(3), new (5) introductory text, (i) and (ii) revised; (c)(2)(ii)(L) through (P), (3)(i)(A)(4), (ii)(A)(1) and (2) added 47069
Footnote 11 revised 47235
Footnote 11 amended 67614
92.201 Footnote 3 amended 67614
92.204 Footnote 5 amended 67614
92.215 OMB number 67133
92.301 (c)(1) revised; interim 24888
Regulation at 59 FR 24888 confirmed 46725
OMB number 67133
Footnote 4 and (c)(2)(viii)(D) amended 67614
92.304 (a)(3)(i) amended 31924
(a)(4)(ii) and (7)(ii) amended 52237
Regulation at 59 FR 52237 eff. date confirmed as 12–16–94 63698
Footnote 13 amended 67614
92.308 (a)(2) amended 9073
(a)(2) amended; interim 24888
Regulation at 59 FR 24888 confirmed 46725
(b), Footnotes 16 and 17 amended 67614
92.316 Amended 28216
92.324 Footnote 21 amended 67614
92.401 Footnote 4 amended 67614

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92.404 (c)(3) redesignated as (c)(4); new (c)(3) added; (c)(1) and new (c)(4) amended 28216
(a)(4)(i) amended 31924
Footnote 6 amended 67615
92.405 (a) amended 52241
92.411 (b)(1) and (2) amended 52241
92.418 (a) amended 28216
92.419 (a) amended; (c) removed 28216
92.420 Revised 28216
92.427 (c)(5) added 24886
(c)(2) revised; eff. 1–23–95 65897
92.430 (a), (b)(2)(i), (ii), (4), (5), (6), (c) introductory text, (1), (3) and (d) amended; (b)(3)(ii) redesignated as (b)(3); (b)(1)(ii) and new (3) revised 9620
Footnote 11 amended 67615
92.431 (a)(4) and Footnote 15 amended 67615
92.434 (c) and Footnote 21 amended 67615
92.435 Removed 52241
92.501 Footnote 4 amended 67615
92.504 (c)(3) redesignated as (c)(4); new (c)(3) added; (c)(1) and new (4) amended 28216
(a)(4)(i) amended 31924
Footnote 6 amended 67615
92.518 Amended 28216
92.519 OMB number 67133
92.522 (a), (b)(2)(i), (ii), (4), (5), (6), (c) introductory text, (1), (3) and (d) amended; (b)(3)(i) removed; (b)(3)(ii) redesignated as (b)(3); (b)(1)(ii) and new (3) revised 9621
Footnote 10 amended 67615
92.523 (a)(4) and Footnote 14 amended 67615
92.700—92.701 (Subpart G) Added; interim 29187
93 Authority citation revised 67615
93.3 (b) amended 67615
93.4 (a)(3) and (4) amended 67615
93.5 Amended 67615
93.8 OMB number 67133
94 Authority citation revised 67615
94.0 Amended 13185
94.1 (a)(2) and (d)(1) amended 2286, 12535, 19632, 28218, 28219
(c)(1) amended 13186
(d) removed 52241

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94.4 Footnote 1 removed; (b) introductory text, (1), (2) and (4) revised; (b)(3) and Footnotes 2 and 3 redesignated as (b)(8) and Footnotes 1 and 2; new (b)(3), (5), (6), (7) and (c) added 13186
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94.5 OMB number 67134
94.6 Footnote 1 and (e) amended 67615
(d)(2) and Footnote 3 amended; second Footnote 1 removed 67616
94.8 OMB number 67134
94.9 (b)(1)(ii)(*a*), (*b*), (iii)(*a*), (*b*) and (*c*) redesignated as (b)(1)(ii)(A), (B), (iii)(A), (B) and (C); new (b)(1)(iii) introductory text, (C)(*2*), (2), (3) and (c) amended 28218
94.11 (a) amended 2286, 12535, 19632, 28218, 28219
94.12 (b)(1)(iv)(A) revised 12536
(a) amended 28219
Footnote 1 amended 67616
94.13 Introductory text amended 28220
94.14 OMB number 67134
94.15 (b)(1) amended 67616
94.16 Footnote 1 amended 67616
94.17 Heading, (a), (h) and (o) revised; (i), (j) and (m) redesignated as (i)(1), (j)(1) and (m)(1); introductory text, (b) through (g), new (i)(1), new (j)(1), (k), (l), new (m)(1) and (n) amended; (i) introductory text, (2)through (5), (j)(2), (3) 55024
OMB number 67134
94.18 (a) revised 24638
(a) amended; interim 47236
Regulation at 59 FR 47236 confirmed; eff. 1–23–95 65898
Footnotes 1 and 2 amended 67616
94.19 OMB number 67134
95 Authority citation revised 9400
95.4 Footnotes 1 and 2 amended 67616
95.5 Footnote 1 amended 67616
95.6 OMB number 67134
95.8 OMB number 67134
95.10 OMB number 67134
95.11 Heading revised; existing text designated as (a); (b) added 9400
95.12 OMB number 67134
95.15 OMB number 67134

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95.16 OMB number 67134
95.18 OMB number 67134
95.19 OMB number 67134
95.20 OMB number 67134
95.23 OMB number 67134
96.1 OMB number 67134
96.2 (b) revised 27970
96.13 OMB number 67134
97.2 Table amended 21638, 34757, 67616
98 Authority citation revised 26596, 67616
98.4 (b) amended 67616
98.13 (b) amended 67616
98.31 Existing text designated as (a); (b) added 26596
98.34 (a)(3) amended 26596
102.5 (f) amended 67616
112.1 Revised; eff. 2–21–95 43445
112.4 Introductory text revised; eff. 2–21–95 43445
112.5 Introductory text amended; eff. 2–21–95 43445
112.6 (e) and (f) added; eff. 2–21–95 43445
113.70 (b)(4) revised 19633
113.113 (c)(2)(iv)(A) amended 67616
114.2 (d)(2) and (6)(i) amended 67617
122.2 OMB number 67134
122.3 OMB number 67134
124.22 (a) amended 67617
124.40 (b)(3) amended 67617
130.1 Footnote 1 amended 67617
130.22 (b) amended 67617
130.50 Footnote 8 amended 67617
145.1 Amended 12798
145.10 (d) amended; (l) added 12798
145.12 (b) amended 12798
145.14 (a)(1) and (6) introductory text amended 12798
Footnote 1 amended 67617
145.21 Amended 12798
145.23 (d)(1)(vi), (vii), (viii), (e)(1)(ii)(*a*) and (*b*) redesignated as (d)(1)(vii), (viii), (ix), (e)(1)(ii)(A) and (B); (b)(3) introductory text, (v), (d) heading, (1)(i), (v), new (vii), (2) and (3) amended; new (d)(1)(vi) added 12798
145.31 Amended 12799
145.33 (b)(3) introductory text and (v) amended; (d)(1)(viii) Footnote 4a, (e)(1)(iii)(*a*) and (*b*) redesignated as (d)(1)(viii) Footnote 4, (e)(1)(ii)(A) and (B) 12799
145.41 (a) designation removed 12799

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145.43 (b)(3)(v) and (f)(3)(ii) amended 12799
145.51 Amended 12799
145.53 (a) Footnote 1 redesignated as Footnote 7; (b)(3) introductory text and (v) amended 12799
147.1 OMB number 12799
147.2 OMB number 12799
147.3 OMB number 12799
147.5 (b) Footnote 1 redesignated as Footnote 4 and amended; OMB number 12799
Footnote 4 amended 67617
147.6 (b) introductory text, (5) and (12) through (15) amended 12799
147.7 Heading Footnote 1 redesignated as Footnote 5; introductory text, (a) heading, (1) introductory text and (e) amended 12799
(e) heading amended; (e) introductory text through (3)(xi) redesignated as (e)(1) introductory text through (iii)(K); new (e)(1) heading and (2) added 12800
147.10 Added 12801
147.11 Footnotes 1 through 4 and (a) through (j) redesignated as Footnotes 7 through 10 and (b)(1) through (10); new (a) and new (b) heading added; OMB number 12801
147.12 (c)(2) Footnote 1 redesignated as Footnote 11; OMB number 12805
Footnote 11 amended 67617
147.13 OMB number 12805
147.14 Heading Footnote 1 redesignated as Footnote 12; new Footnote 12 and (a)(2) introductory text amended; (a)(2)(i) and (ii) added 12805
(b) introductory text corrected 59640
147.15 Footnotes 4 through 11 redesignated as Footnotes 13 through 20 12805
147.16 Footnote 12 redesignated as Footnote 21 12805
147.21 OMB number 12805
147.41 Amended 12805
147.43 (a) introductory text amended 12805
151.9 Introductory text, (a) table and (b) table amended 42489

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160.1 Amended 40797
166 Authority citation revised 67618
166.12 Footnote 1 amended 67618
166.15 (e) amended 67618

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1 Authority citation amended 64115
2 Authority citation amended 64115
2.2 Revised 13895
2.5 (b) amended 13895
2.35 (d)(1) and (2) amended 13895
2.38 (h)(3) and (i)(3) amended 13895
2.75 (a)(2) revised; (a)(3) and (b)(2) amended 13895
2.78 (d) amended 13896
2.102 (a)(3) amended 13896
3 Authority citation amended 64115
49 Authority citation amended 64115
50 Authority citation amended 64115
50.1 Amended; interim 37808
50.2 Amended; interim 37809
50.3 (a) and (b) amended; (c) revised; interim 37809
50.4 (a) and (b) amended; interim 37809
50.5 Amended 37809
50.6 Introductory text amended; (d) and (e) added; interim 37809
(a) and (b) revised 48366
50.7 (a) and (b) amended; interim 37809
50.8 Amended; interim 37809
50.9 Amended; interim 37809
50.10 Amended; interim 37809
50.11 Amended; interim 37809
50.12 Amended; interim 37809
50.13 Amended; interim 37809
50.14 Introductory text, (b), (d), (e), (2)(i) and (ii) amended; (f) added; interim 37809
51 Authority citation amended 64115
51.1 Regulation at 59 FR 52235 confirmed 5838
51.3 Regulation at 59 FR 52235 confirmed 5838
51.5 (b) revised 48367

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52 Authority citation amended 64115
53 Authority citation amended 64115
54 Authority citation amended 64115
70 Authority citation amended 64115
71 Authority citation amended 64115
72 Authority citation amended 64115
73 Authority citation amended 64115
75 Authority citation amended 64115
75.4 (a) and (b) introductory text amended 14619
77 Authority citation amended 64115
77.1 Regulation at 59 FR 60886 confirmed 11898
Amended 18729, 33101
Regulation at 60 FR 18729 confirmed 44416
Regulation at 60 FR 33101 confirmed 48882
Amended; interim 62989
77.5 Heading amended; (a)(1) and (b)(1) revised 48367
78 Authority citation amended 64115
78.1 Amended 48367
78.7 (b) revised 48367
78.8 (a)(2)(iii)(D) redesignated as (a)(2)(iii)(E); new (a)(2)(iii)(D), (3)(iii)(D), (5)(iii)(D) and (b)(3)(iii) added; (a)(3)(iii)(C), (5)(iii)(C) and (b)(3)(ii) amended 48367
78.9 (c)(1)(v)(C), (vii)(C), (2)(i)(C), (ii)(B), (d)(1)(v)(C), (vii)(C), (2)(i)(C), (ii)(B) amended; (c)(1)(v)(D), (vii)(D), (2)(i)(D), (ii)(C), (d)(1)(v)(D), (vii)(D), (2)(i)(D) and (ii)(C) added 48368
78.22 (b) revised 48368
78.41 Regulation at 59 FR 47534 confirmed 2875
(a) and (b) amended; interim 4372
Regulation at 60 FR 4372 confirmed 24547
(a) and (b) amended 28323
Regulation at 60 FR 28323 confirmed 44417
78.43 Amended; interim 67321

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79 Authority citation amended 64115
80 Authority citation revised 48368
Authority citation amended 64115
80.4 (a) revised 48368
(a) and (b) corrected; CFR correction 55989
82 Authority citation amended 64115
85 Authority citation amended 64115
85.1 Amended 26355
85.6 (c) added 26355
91 Authority citation revised 13898
Authority citation amended 64115
91.3 (a) and (b) amended; OMB number 4536
(a) corrected; CFR correction 4831
(a) amended 9611
(a) amended; interim 13898
91.5 OMB number 4536
Introductory text amended; interim 13898
91.6 OMB number 4536
91.14 (a) introductory text amended 4536
(c)(2), (4), (5) and (11) amended; (c)(12) added 9611
91.15 (a) amended 4536, 9611
92 Authority citation amended 64115
92.102 (a) amended 16045
(d) amended 25120
Regulation at 60 FR 16045 eff. date confirmed 26355
92.203 (b) amended 16045
(d) amended 25120
Regulation at 60 FR 16045 eff. date confirmed 26355
92.303 (b) amended 16045
(d) amended 25120
Regulation at 60 FR 16045 eff. date confirmed 26355
92.304 (a)(4)(ii) and (7)(ii) amended 49752
Regulation at 60 FR 49752 eff. date confirmed 57537
92.308 (a)(1) amended 5128
(a)(2) amended 9612, 17635
92.324 Amended 5128
92.326 Amended 5128
92.400—92.435 (Subpart D) Footnotes 11 through 21 redesignated as Footnotes 10 through 20; interim 13898
92.400 Amended; interim 13900

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92.403 (b) and (e) amended 16045
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92.424 (b) amended; interim 13898
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92.426 (a) amended; interim 13898
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92.430 Amended; interim 13898
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92.503 (b) and (e) amended 16045
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113.52 (b)(2)(i) and (ii) revised; (f)(4)(ii) amended 24549

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93.434 (a), (b) introductory text and (2)(i)(A) amended 56019
93.435 (b)(2), (3), (6), (d), (e), (g)(2)(i) and (ii) amended 56019
93.500—93.523 (Subpart E) Redesignated from 92.500—92.523 (Subpart E) 56012
93.500 Amended 56019
93.501 (b) introductory text amended 56020
93.502 (a) amended 56020
93.504 (a)(1), (2), (3), (b), (c) heading and (4) amended 56020
93.505 (a) amended 56020
93.507 Amended 56020
93.516 Footnote 7, (a) introductory text, (1), (2) and (b) amended 56020
93.517 (b) amended 56020
93.519 (a)(1) and (b) amended 56020
93.520 Amended 56020
93.521 Amended 56020
93.522 (c)(1), (3) and (d) amended 56020
93.523 (a)(4), (b)(2)(iv), (viii) and (4) amended 56020
93.600 (Subpart F) Redesignated from 92.600 (Subpart F) 56012
93.600 Amended 56020
93.700—93.707 (Subpart G) Redesignated from 92.700—92.707 (Subpart G) 56012

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93.701 Amended 56021
93.702 Amended 56021
93.704 (c)(1) and (4) amended 56021
93.705 (a) introductory text, (1), (2) and (3) amended 56021
93.800—93.807 (Subpart H) Redesignated from 93.1—93.8 56013
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93.803 (a) introductory text amended 56021
93.804 (g) amended 56021
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94.0 Amended 56021
94.1 (a)(1) revised 34393
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94.1a (a) introductory text, (2), (7), (8) introductory text amended 56021
94.2 Heading, (a) and (b) amended 56022
94.3 Amended 56022
94.4 (a) introductory text and (b) introductory text revised 42900
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94.5 (f)(1) amended 19903
(b)(1)(i)(A) amended 56022
94.6 (a)(2) amended; interim ... 5742, 19033
(a)(2) amended 27940
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Regulation at 62 FR 19033 confirmed 48752
Heading, (a) heading, (1), (2), (b) heading, (1), (2), (c) heading, introductory text, (d) heading, introductory text, (1) introductory text, (i), (iii), (v), (viii), (ix) introductory text, (C)(*1*), (*2*), (x) introductory text, (C)(*1*), (*2*) and (*3*) amended 56022
94.7 (a) through (d) amended 56022
94.8 Footnotes 1 and 2 redesignated as footnotes 7 and 8; new footnote 7, (a) introductory text, (3)(i)(A), and (iv)(A) amended 46180

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(a)(3)(v) and (c) amended 46181
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94.9 (a) amended; interim 8868, 28620, 43925
Regulation at 62 FR 8868 confirmed 42264
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Regulation at 62 FR 28620 confirmed 54575
Heading, (a) introductory text, (b) introductory text, (1)(ii)(A), (iii)(A), (C) introductory text, (*1*), (*2*), (3) and (c) amended 56022
94.10 (a) amended; interim 8868, 28620, 43925
Regulation at 62 FR 8868 confirmed 42664
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94.11 Heading, (a), (b), (c) introductory text, (1), (2) and (3) amended 56022
94.12 Footnotes 1 and 2 redesignated as footnotes 11 and 12 46181
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94.13 Heading, introductory text, (b) introductory text, (1) and (2) amended 56023
94.14 Heading, (a) and (b) amended 56023
94.15 (b) introductory text and (2) amended; OMB number 24804
(c) amended; (d) added 56023
94.16 Footnote 1 redesignated as footnote 13 46181
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94.17 (a) amended; footnote 1 redesignated as footnote 14 46181
Heading, (a), (b), (d), (i)(2)(vi), (3)(vii), (j)(1), (2), (3), (k), (m)(1), (o) introductory text, (2)(ii)(A), (B), (iii)(A) and (B) amended 56023

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94.18 (a) amended; interim 18264
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94.19 Amended 56023
94.20 Added 25443
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94.21 Added 34394
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95 Meeting 60161
95.1 Amended 56024
95.2 Heading, introductory text, (a) and (b) amended 56024
95.4 Heading, (a), (b) and (c) introductory text amended 56024
95.5 (a), (c) and Footnote 1 amended 56024
95.7 (a) and (c) amended 56024
95.9 (a) and (c) amended 56024
95.11 (b) introductory text and (2) amended 56024
95.14 (a) amended 56024
95.15 Amended 56024
95.17 Amended 56024
95.21 Amended 56024
95.23 Introductory text amended 56024
96 Meeting 60161
96.1 Amended 56024
96.2 (a) amended 46181
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96.3 (a) and (c) amended 56024
96.10 (a) introductory text revised 56024
96.15 Removed 56024
96.16 Removed 56024
97 Meeting 60161
97.1 Footnote 1 amended 56025
97.2 Table amended 53733
98 Meeting 60161

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98.2—98.10a (Subpart A) Heading revised 56025
98.2 Amended 56025
98.3 Introductory text, (a), (d), (f) and (i) amended 56025
98.4 (c)(1) and (5) amended 56025
98.5 (a) introductory text amended 56025
98.6 Amended 56025
98.7 (g) amended 56025
98.10a Heading, (c), (d), (f) introductory text, (1), (2)(i) and (ii) amended 56025
98.11—98.21 (Subpart B) Heading amended 56025
98.11 Amended 56025
98.12 (a) and (b) amended 56025
98.13 (a) amended 56025
98.14 (a) amended 56025
98.15 Introductory text, (a)(5)(ii) introductory text, (iii), (6), (b)(1), (2) and (5) amended 56025
98.16 introductory text amended 56025
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98.18 (c) amended 56026
98.21 Heading amended 56026
98.30 Amended 56026
98.31 (b) amended 56026
98.32 (a) amended 56026
98.34 (a)(1), (2), (3), (b), (c) heading, introductory text, (1)(i), (ii), (3), (4) and (5) amended 56026
98.35 (c) amended 56026
98.36 (a)(1) and (2) amended 56026
98.37 Heading, (c), (d), (f) introductory text, (1), (2)(i) and (ii) amended 56026
101.2 Amended 31328
101.5 (o) through (r) added 19037
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102.5 (c) removed; (d), (e) and (f) redesignated as (c), (d) and (e) 13294
104.7 (a) revised 13294
113.8 Heading, (a), (b) introductory text and (5) revised; (c) redesignated as (e); new (c) and (d) added; new (e) introductory text and new (4) amended 19038
113.111 (c)(2), (3)(i), (ii), (iii) and (5)(iii) revised; (c)(5)(iv) removed 31330

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130.1 Amended 56026
130.2 (a) Footnote 5, table and (e) amended 56026
130.3 (a)(3) amended 56026
130.10 (a) Footnote 7 amended 56026
130.20 (d) removed; (e) redesignated as (d); interim 61007
130.49 Added; interim 61007
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145.23 (b) introductory text and (e)(1)(ii) amended 44068
145.33 (b) introductory text and (e)(1)(ii) introductory text amended; (c)(4), (e)(4), (i), (j) and (k) added 44068
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156.5 Amended 19040
156.6 Amended 19040
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160.1 Amended 25445
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2.5 ((2), (c) and (f) amended 62926
2.6 (a) amended 62926
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2.10 (a) amended 62926
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2.131 (d) added 10498
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3.2 (a) amended 10498
3.3 (a) amended 10498
3.5 (a) amended 10498
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3.14 (a)(9) amended 3023
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3.104 (b)(1)(i) Footnote 2 redesignated as Footnote 8 2
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50.2 Amended; interim 34264
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50.3 (a), (b) and (c) amended; (d) redesigntated as (e); new (d) added; interim 34264

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50.4 Heading revised; (a), (b) introductory text and (3) amended; (c) added; interim 34264
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50.5 Amended; interim 34264
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50.6 Introductory text, (d) and (e) amended; interim 34264
Regulation at 63 FR 34264 confirmed 53547
50.7 (a) and (b) amended; interim 34264
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50.8 Heading revised; amended; interim 34264
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50.9 Amended; interim 34264
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50.10 Amended; interim 34264
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50.11 Amended; interim 34264
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50.12 Amended; interim 34264
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50.14 Introductory text, (d), (e) introductory text, (2)(i), (ii) and (f) amended; interim 34264
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51.3 (a) revised; interim 15284
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71.20 (a) amended 32119
77.1—77.6 Designated as Subpart A; eff. 2–1–99 72122
77.1 Amended; interim 8840, 30583, 43291, 64597
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77.3 Footnote 3 redesignated as Footnote 2; eff. 2–1–99 72122
77.6 Amended; eff. 2–1–99 72122
77.7 Added; eff. 2–1–99 72122

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77.8—77.18 (Subpart B) Added; eff. 2–1–99 72122
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91.1 Amended; eff. 2–1–99 72129
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93.301 (h)(6) and (7) amended 6064, 40008
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93.308 (a)(1) amended 3640
93.314 (a)(4) amended 53783
93.324 Amended 3640
93.326 Amended 3640
93.430 Removed 64175
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93.522 Removed 64175
93.523 Removed 64175
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94.4 (a) introductory text amended 67575
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94.9 Regulation at 62 FR 43925 confirmed 12604
94.10 Regulation at 62 FR 43925 confirmed 12604
94.11 (a) amended 67575
94.12 (a) amended 67575
94.13 Introductory text amended 67575
94.18 Heading, (a) and (b) revised; interim 408
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130.15 Revised 53792
130.16 Revised 53793
130.17 Revised 53793
130.18 Revised 53794
130.19 Added 53795
130.20 Regulation at 62 FR 61007 confirmed 18117
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130.49 Regulation at 62 FR 61007 confirmed 18117
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145.10 Introductory text and (b) amended 40010
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147.7 Footnote 5, (b)(1)(vii), (d)(2) introductory text and (viii) amended 3
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147.12 (a)(3) Footnote 11 and (b)(3)(ii)(a) Footnote 12 amended 3
147.22 (c) amended 3
147.24 (b)(3) and (c) amended 3

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77.6 Regulation at 63 FR 72122 eff. 2–1–99 3340
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77.11 Redesignated as 77.15; new 77.11 redesignated from 77.7; interim 58779
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78.1 Amended 15298
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78.43 Regulation at 63 FR 44777 confirmed 5
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91.7 Regulation at 63 FR 72129 eff. 2–1–99 3340
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93 Effective date confirmed 34707
93.303 (d) amended 23179
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94.8 Introductory text amended; interim 72913

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112.5 (d)(2)(ii) amended 43044
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113.451 (a) introductory text amended 43045
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