(c) Related tolerances. See §556.240 of this chapter.

(d) Conditions of use. For implantation in steers and heifers as follows:

(1) Amount. Insert one 25.7-mg implant every 200 days; insert one 43.9-mg implant every 400 days.

(2) Indications for use. For increased rate of weight gain in suckling and pastured growing steers; for improved feed efficiency and increased rate of weight gain in confined steers and heifers. No additional effectiveness may be expected from reimplanting in less than 200 days for the 25.7-mg implant or 400 days for the 43.9-mg implant.

(3) Limitations. For subcutaneous ear implantation in steers and heifers only. Safety and effectiveness have not been established in veal calves. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal.


§ 522.842 Estradiol benzoate and testosterone propionate.

(a) Sponsors. See sponsors in §510.600(c) of this chapter for use as in paragraph (c) of this section.

(1) No. 054771 for use as in paragraph (c)(1)(i), (c)(2), and (c)(3) of this section.

(2) No. 000986 for use as in paragraph (c) of this section.

(b) Related tolerances. See §§556.240 and 556.710 of this chapter.

(c) Conditions of use—(1) Amount. One implant and 2 milliliters of injection at time of implantation.

(2) Indications for use. For synchronization of estrus/ovulation in cycling beef cattle and non-lactating dairy heifers.

(3) Limitations. Insert implant subcutaneously in the ear only; then immediately inject solution intramuscularly only. Counting the day of implantation as day 1, remove the implant on day 10. Collect all implants as they are removed and burn them. While animals are restrained for artificial insemination, avoid other treatments such as vaccinations, dipping, pour-on grub and louse prevention, spraying, etc. When inseminating without estrus detection, the entire treated group should be started at 48 hours after the last implant has been removed and should be completed within 6 hours. Where estrus detection is preferred, insemination should be approximately 12 hours after first detection of estrus. Those that do not conceive can be re-bred when they return to estrus approximately 17 to 25 days after implant removal. Do not use in ear implantation, one dose per animal; not for use in dairy or beef replacement heifers. Safety and effectiveness have not been established in veal calves. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal.


§ 522.850 Estradiol valerate and norgestomet in combination.

(a) Specifications. The product is a two-component drug consisting of the following:

(1) An implant containing 6.0 milligrams of norgestomet.

(2) An injectable solution (sesame oil) containing 3.0 milligrams of norgestomet and 5.0 milligrams of estradiol valerate per 2 milliliters.

(b) Sponsor. See 050604 in §510.600(c) of this chapter.

(c) Conditions of use—(1) Amount. One implant and 2 milliliters of injection at time of implantation.

(2) Indications for use. For synchronization of estrus/ovulation in cycling beef cattle and non-lactating dairy heifers.

(3) Limitations. Insert implant subcutaneously in the ear only; then immediately inject solution intramuscularly only. Counting the day of implantation as day 1, remove the implant on day 10. Collect all implants as they are removed and burn them. While animals are restrained for artificial insemination, avoid other treatments such as vaccinations, dipping, pour-on grub and louse prevention, spraying, etc. When inseminating without estrus detection, the entire treated group should be started at 48 hours after the last implant has been removed and should be completed within 6 hours. Where estrus detection is preferred, insemination should be approximately 12 hours after first detection of estrus. Those that do not conceive can be re-bred when they return to estrus approximately 17 to 25 days after implant removal. Do not use in...
§ 522.863 Ethylisobutrazine.
(a) Specifications. Each milliliter of solution contains 50 milligrams (mg) of ethylisobutrazine hydrochloride.
(b) Sponsor. See No. 000061 in §510.600(c) of this chapter.
(c) Conditions of use in dogs—(1) Amount. Administer 2 to 5 mg per pound of body weight by intramuscular injection for profound tranquilization. Administer 1 to 2 mg per pound of body weight by intravenous injection to effect.
(2) Indications for use. For the immobilization of wild and exotic animals.
(3) Limitations. Do not use in domestic food-producing animals. Do not use 30 days before, or during, the hunting season in free-ranging wild animals that might be used for food. Federal law restricts this drug to use by or on the order of a licensed veterinarian.
[79 FR 16188, Mar. 25, 2014]

§ 522.870 Etodolac.
(a) Specifications. Each milliliter contains 100 milligrams (mg) of etodolac.
(b) Sponsor. See No. 000010 in §510.600 of this chapter.
(c) Conditions of use in dogs—(1) Amount. Administer 4.5 to 6.8 mg/pound (10 to 15 mg/kilogram) body weight as a single, dorsoscapular subcutaneous injection. If needed, the daily dose of etodolac tablets as in §520.870 of this chapter may be given 24 hours after the injection.
(2) Indications for use. For the control of pain and inflammation associated with osteoarthritis.
(3) Limitations. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

§ 522.883 Etorphine.
(a) Specifications. Each milliliter of solution contains 1 milligram of etorphine hydrochloride.
(b) Sponsor. See No. 053923 in §510.600(c) of this chapter.
(c) Special considerations. Distribution is restricted to veterinarians engaged in zoo and exotic animal practice, wildlife management programs, and researchers.
(d) Conditions of use—(1) Amount. Administered intramuscularly by hand syringe or syringe dart at a suitable dosage level depending upon the species.
(2) Indications for use. For the immobilization of wild and exotic animals.
(3) Limitations. Do not use in domestic food-producing animals. Do not use 30 days before, or during, the hunting season in free-ranging wild animals that might be used for food. Federal law restricts this drug to use by or on the order of a licensed veterinarian.
[79 FR 16188, Mar. 25, 2014]

§ 522.900 Euthanasia solution.
(a) Specifications. Each milliliter (mL) of solution contains:
(1) 390 milligrams (mg) of pentobarbital sodium and 50 mg phenytoin sodium.
(2) 400 mg secobarbital sodium and 25 mg dibucaine hydrochloride.
(b) Sponsors. See sponsors in §510.600(c) of this chapter:
(1) Nos. 000061, 051311, and 054925 for use of product described in paragraph (a)(1) of this section.
(2) No. 054771 for use of product described in paragraph (a)(2) of this section.
(c) Special considerations. Product labeling shall bear the following warning statements: “ENVIRONMENTAL HAZARD: This product is toxic to wildlife. Birds and mammals feeding on treated animals may be killed. Euthanized animals must be properly disposed of by deep burial, incineration, or other method in compliance with state and local laws, to prevent consumption of carcass material by scavenging wildlife.”
(1) Conditions of use in dogs—(1) Indications for use. For humane, painless, and rapid euthanasia.
(2) Amount. One mL per 10 pounds of body weight.
(3) Limitations. Do not use in animals intended for food. Federal law restricts this drug to use by or on the order of a licensed veterinarian.