nitrous oxide. Place drug vaporizer between the gas supply and breathing bag to prevent overdosage. Not recommended for obstetrical anesthesia except when uterine relaxation is required. Do not use in pregnant animals; information on possible adverse effects on fetal development is not available. Operating rooms should have adequate ventilation to prevent accumulation of anesthetic gases. Not for use in animals intended for food. Federal law restricts this drug to use by or on the order of a licensed veterinarian.\(^1\)

\[\text{Food and Drug Administration, HHS} \]

\[\text{§ 529.1150 Hydrogen peroxide.}\]

\[(a) \text{Specifications. Each milliliter of solution contains 396.1 milligrams (mg) hydrogen peroxide (a 35\% w/w solution).}\]

\[(b) \text{Sponsor. See No. 061088 in \$510.600(c) of this chapter.}\]

\[(c) \text{Conditions of use in finfish—(1) Amount—(i) Freshwater-reared finfish eggs: 500 to 1,000 mg per liter (L) of culture water for 15 minutes in a continuous flow system once per day on consecutive or alternate days until hatch for all coldwater and coolwater species of freshwater-reared finfish eggs or 750 to 1,000 mg/L for 15 minutes in a continuous flow system once per day on consecutive or alternate days until hatch for all warmwater species of freshwater-reared finfish eggs. (ii) Freshwater-reared salmonids: 100 mg/L for 30 minutes or 50 to 100 mg/L for 60 minutes once per day on alternate days for three treatments in a continuous flow water supply or as a static bath. (iii) Coolwater species of freshwater-reared finfish fingerlings and adults (except northern pike & paddlefish) and channel catfish fingerlings and adults: 50 to 75 mg/L for 60 minutes once per day on alternate days for three treatments in continuous flow water supply or as a static bath. Coolwater species of freshwater-reared finfish fry (except northern pike, pallid sturgeon & paddlefish) and channel catfish fry: 50 mg/L for 60 minutes once per day on alternate days for three treatments in continuous flow water supply or as a static bath.}\]

\[(2) \text{Indications for use. For control of mortality in freshwater-reared finfish eggs due to saprolegniasis; for control of mortality in freshwater-reared salmonids due to bacterial gill disease associated with Flavobacterium branchiophilum; and for control of mortality in freshwater-reared coolwater finfish and channel catfish due to external columnaris disease associated with Flavobacterium columnare (Flexibacter columnaris).}\]

\[(3) \text{Limitations. Initial bioassay on a small number is recommended before treating the entire group. Eggs: Some strains of rainbow trout eggs are sensitive to hydrogen peroxide treatment at a time during incubation concurrent with blastopore formation through closure, about 70 to 140 Daily Temperature Units, °C. Consider withholding treatment or using an alternate therapeutic during that sensitive time to reduce egg mortalities due to drug toxicity. Finfish: Use with caution on walleye. Preharvest withdrawal time: zero days.}\]

\[\text{§ 529.1186 Isoflurane.}\]

\[(a) \text{Specifications. The drug is a clear, colorless, stable liquid.}\]

\[(b) \text{Sponsors. See Nos. 000074, 000209, 010019, 012164, 065085, and 066794 in \$510.600(c) of this chapter.}\]

\[(c) \text{Conditions of use. Administer by inhalation: (1) Amount—(i) Horses: For induction of surgical anesthesia: 3 to 5 percent isoflurane (with oxygen) for 5 to 10 minutes. For maintenance of surgical anesthesia: 1.5 to 1.8 percent isoflurane (with oxygen). (ii) Dogs: For induction of surgical anesthesia: 2 to 2.5 percent isoflurane (with oxygen) for 5 to 10 minutes. For maintenance of surgical anesthesia: 1.5 to 1.8 percent isoflurane (with oxygen). (2) Indications for use. For induction and maintenance of general anesthesia in horses and dogs.}\]
§ 529.1455 Methoxyflurane.

(a) Specifications. Methoxyflurane liquid.

(b) Sponsor. See No. 025245 in § 510.600 of this chapter.

(c) Conditions of use—(1) Amount. The amount of methoxyflurane used depends on the weight of the patient, the depth of anesthesia, and the type of equipment used. Anesthesia may be induced with methoxyflurane alone, or by the intravenous administration of a short-acting general anesthetic or by inhalation of another anesthetic agent.

(2) Indications for use. For the induction and maintenance of general anesthesia.

(3) Limitations. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

[74 FR 9767, Mar. 6, 2009]

§ 529.1460 Oxytetracycline.

(a) Specifications—(1) Each gram of powder contains 366 milligrams (mg) oxytetracycline hydrochloride.

(2) Each gram of powder contains 753 mg oxytetracycline hydrochloride.

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

(1) Nos. 046573 and 061623 for use of product in paragraph (a)(1) of this section as in paragraph (e)(1) of this section; and the product described in paragraph (a)(2) of this section as in paragraph (e)(2) of this section.

(2) Nos. 000069, 048164, and 05913 for use of product described in paragraph (a)(2) of this section.

(c) Related tolerances. See § 556.540(a) of this chapter.

(d) Special considerations—(1) Cows and ewes. Product labeling shall bear the following warnings: “Avoid contact with skin by wearing protective gloves when handling inserts. Store removed inserts in a sealable container until they can be disposed of in accordance with applicable local, state, and Federal regulations.”

(2) Cows. This product is approved with the concurrent use of dinoprost solution when used for indications listed in paragraphs (e)(1)(ii)(A) and (e)(1)(ii)(B) of this section. See § 522.690(c) of this chapter.

(2) Indications for use. For skeletal marking of finfish fry and fingerlings.


§ 529.1940 Progesterone intravaginal inserts.

(a) Specifications. Each insert contains:

(1) 1.38 grams (g) progesterone in molded silicone over a nylon spine.

(2) 0.3 g progesterone in molded silicone over a flexible nylon spine.

(b) Sponsor. See No. 000009 in § 510.600(c) of this chapter for use of the product described in paragraph (a)(1) of this section as in paragraph (e)(1) of this section; and the product described in paragraph (a)(2) of this section as in paragraph (e)(2) of this section.

(c) Related tolerances. See § 556.540(a) of this chapter.

(d) Conditions of use in finfish—(1) Amount. Administer one intravaginal insert per animal for 7 days. When used for indications listed in paragraphs (e)(1)(ii)(A) and (e)(1)(ii)(B) of this section, administer 25 milligrams (mg) dinoprost (5 milliliters (mL) of 5 mg/mL solution as in § 522.690(a) of this chapter) as a single intramuscular injection 1 day prior to insert removal (Day 6). When used for indications listed in paragraph (e)(1)(ii)(B) of this section, administer 25 mg dinoprost as a single intramuscular injection on the day of insert removal (Day 7).

(ii) Indications for use—(A) For synchronization of estrus in suckled beef cows and replacement beef and dairy heifers; for advancement of first postpartum estrus in suckled beef