absorbed through the skin and can cause abortion and bronchiospasms. Accidental spillage on the skin should be washed off immediately with soap and water. Use of this product in excess of the approved dose may result in drug residues. Do not administer intravenously; this may potentiate adverse reactions.

(d) Conditions of use—

(i) Mares—

(1) Amount. Equivalent of 1 milligram of dinoprost per 100 pounds of body weight.

(2) Indications. For its luteolytic effect to control timing of estrus in estrus cycling mares and in clinically anestrous mares that have a corpus luteum.

(iii) Limitations. For use once as a single intramuscular injection. Not for use in horses intended for food. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

(ii) Cattle—

(1) Amount. 5 milliliters (equivalent to 25 milligrams of dinoprost).

(2) Indications. For its abortifacient effect in nonlactating cattle.

(iii) Limitations. For intramuscular use only, during first 100 days of gestation. Cattle that abort will abort within 35 days after injection. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

(iii) Nonlactating cattle—

(i) Amount. Five milliliters intramuscularly as a single injection.

(ii) Indications. For its abortifacient effect in nonlactating cattle.

(iii) Limitations. For intramuscular use only, during first 100 days of gestation. Cattle that abort will abort within 35 days after injection. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

(iv) Swine—

(i) Amount. 2 milliliters (equivalent to 10 milligrams of dinoprost).

(ii) Indications. For induced parturition in swine when injected within 3 days of normal predicted farrowing.

(iii) Limitations. For use in swine as follows: Inject a dose of 2 milliliters intramuscularly within 3 days of predicted farrowing. The response to treatment varies by individual animals with a mean interval from administration to parturition of approximately 30 hours. Federal law restricts this drug to use by or on the order of a licensed veterinarian.

§ 522.723 Diprenorphine hydrochloride injection.

(a) Chemical name. N-(Cyclopropylmethyl)-6,7,8,14-tetrahydro-7-alpha-(1-hydroxy-1-methylethyl)-6,14-endothanolororipavine hydrochloride.

(b) Specifications. Each milliliter of diprenorphine hydrochloride injection, veterinary, contains 2 mg of diprenorphine hydrochloride in sterile aqueous solution.

(c) Sponsors. See No. 010042 in §510.600(c) of this chapter.
(d) Conditions of use. (1) The drug is used for reversing the effects of etorphine hydrochloride injection, veterinary, the use of which is provided for in §522.883, in wild and exotic animals.

(2) It is administered intramuscularly or intravenously at a suitable dosage level depending upon the species.

(3) For use in wild or exotic animals only. 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.

(4) Federal law restricts this drug to use by or on the order of a licensed veterinarian. Distribution is restricted to veterinarians engaged in zoo and exotic animal practice, wildlife management programs and researchers.

§ 522.775 Doxapram hydrochloride injection.

(a) Specifications. The drug is a sterile aqueous solution containing 20 milligrams doxapram hydrochloride per milliliter.

(b) Sponsor. See No. 000031 in §510.600(c) of this chapter.

(c) Conditions of use. (1) Administer to dogs, cats, and horses to stimulate respiration during and after general anesthesia; to speed awakening and return of reflexes after anesthesia. Administer to neonate dogs and cats to initiate respiration following dystocia or caesarean section; to stimulate respiration following dystocia or caesarean section.

(2) For intravenous use in dogs and cats at a dose of 2½ to 5 milligrams of doxapram hydrochloride per pound of body weight in barbiturate anesthesia, 0.25 mg per lb. in gas anesthesia; for intravenous use in horses at 0.25 mg per lb. of body weight in barbiturate anesthesia, 0.2 mg per lb. in inhalation anesthesia, 0.25 mg per lb. with chloral hydrate with or without magnesium sulfate; for subcutaneous, sublingual, or umbilical vein administration in neonate puppies at a dose rate of 1 to 5 mg; for subcutaneous or sublingual use in neonate kittens at 1 to 2 mg. Dosage may be repeated in 15 to 20 minutes if necessary.

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

§ 522.778 Doxycycline hyclate.

(a) Specifications. Doxycycline hyclate solution contains 8.5 percent doxycycline activity. A syringe of N-methyl-2-pyrrolidone and poly (DL-lactide) mixed with a syringe of