§ 520.1802c Piperazine-carbon disulfide complex with phenothiazine suspension.

(a) Specifications. Each fluid ounce contains 5 grams of piperazine-carbon disulfide complex and 0.83 gram of phenothiazine.

(b) Sponsor. See 000009 in §510.600(c) of this chapter.

(c) Conditions of use: Horses and ponies—(1) Amount. One fluid ounce per 100 pounds of body weight.

(2) Indications for use. For removing ascarids (large roundworms, *Parascaris equorum*), bots (*Gastrophilus* spp.), small strongyles, and large strongyles (*Strongylus* spp.).

(3) Limitations. See §520.1802a(c)(3).

§ 520.1803 Piperazine citrate capsules.

(a) Specifications. Piperazine citrate capsules contain piperazine citrate equivalent to 140 milligrams of piperazine base in each capsule.

(b) Sponsor. See No. 021091 in §510.600(c) of this chapter.

(c) Conditions of use. (1) It is used in dogs and cats for the removal of large roundworms (*Toxocara canis* and *Toxascaris leonina*).¹

(ii) Cats. It is used for the removal of large roundworms (ascarids) *Toxocara mystax* and *Toxacaris leonina*.

(3) Limitations. Administer in animal’s food or milk. For animals up to 1 year of age administer every 2 or 3 months; for animals over 1 year old, administer periodically as necessary. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

§ 520.1804 Piperazine phosphate capsules.

(a) Specifications. Each capsule contains 120, 300, or 600 milligrams of piperazine phosphate monohydrate.

(b) Sponsor. See No. 051311 in §510.600(c) of this chapter.

(c) Conditions of use—(1) Amount. 60 milligrams of piperazine phosphate monohydrate per pound of body weight.

(2) Indications for use—(1) Dogs. It is used for the removal of large roundworms (ascarids) *Toxocara canis* and *Toxascaris leonina*.

(ii) Cats. It is used for the removal of large roundworms (ascarids) *Toxocara mystax* and *Toxacaris leonina*.

(3) Limitations. Administer in animal’s food or milk. For animals up to 1 year of age administer every 2 or 3 months; for animals over 1 year old, administer periodically as necessary. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

§ 520.1805 Piperazine phosphate with thenium closylate tablets.

(a) Specifications. Each scored tablet contains the equivalent of 250 milligrams piperazine hexahydrate (as piperazine phosphate) and 125 milligrams thenium (as thenium closylate) or 500 milligrams piperazine hexahydrate (as piperazine phosphate) and 125 milligrams thenium (as thenium closylate).

¹These conditions are NAS/NRC reviewed and deemed effective. Applications for these uses need not include effectiveness data as specified by §514.111 of this chapter, but may require bioequivalency and safety information.
(a) Specifications. Each milliliter of suspension contains piperazine monohydrochloride equivalent to 33.5 milligrams (mg) piperazine base.

(b) Sponsor. See No. 017135 in §510.600(c) of this chapter.

(c) Special considerations. See §500.25(c) of this chapter.

(d) Conditions of use in dogs—(1) Indications for use. For the removal of roundworms (Toxocara canis and Toxascaris leonina).

(2) Dosage. Administer 20 to 30 mg piperazine base per pound body weight as a single dose.

(3) Limitations. Administer by mixing into the animal’s ration to be consumed at one feeding. For animals in heavily contaminated areas, reworm at monthly intervals. Not for use in unweaned pups or animals less than 3 weeks of age.

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§520.1807 Piperazine.

(a) Specifications. A soluble powder or liquid containing piperazine dihydrochloride or dipiperazine sulfate, equivalent to 17, 34, or 230 grams of piperazine per pound or 100 milliliters.

(b) Sponsor. See 015565 in §510.600(c) of this chapter.

(c) Related tolerances. See §556.513 of this chapter.

(d) Conditions of use—(1) Chickens—(i) Amount. 50 milligrams per bird under 6 weeks, 100 milligrams per bird over 6 weeks.

(ii) Indications for use. For removal of large roundworm (Ascaridia spp.).

(iii) Limitations. For use in drinking water or feed. Use as sole source of drinking water. Prepare fresh solution daily. Use as 1-day single treatment. Withdraw 14 days prior to slaughter. Do not use for chickens producing eggs for human consumption. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

(2) Turkeys—(i) Amount. 100 milligrams per bird up to 12 weeks and 200 milligrams per bird over 12 weeks.

(ii) Indications for use. For removal of large roundworm (Ascaridia spp.).

(iii) Limitations. For use in drinking water or feed. Use as sole source of drinking water. Prepare fresh solution daily. Use as 1-day single treatment. Withdraw 14 days prior to slaughter. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

(3) Swine—(i) Amount. 50 milligrams per pound of body weight.

(ii) Indications for use. For removal of large roundworm (Ascaris suum) and nodular worms (Oesophagostomum spp.).

(iii) Limitations. For use in drinking water or feed. Use as sole source of drinking water. Prepare fresh solution daily. Use as 1-day single treatment. Withdraw 14 days prior to slaughter. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

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