

VERMICELL® EQUINES

REGISTRATION: Q-0209-059



Oral Paste

Broad-spectrum antiparasitic with vitamins.



FORMULA

Each 30 g contain:	
Praziquantel	900 mg
Ivermectin	120 mg
Albendazole	4,8 g
Vitamin B1	2 g
Vitamin B12	3 mg
Vehicle q.s.	30 g

Use in species



Horses

PHARMACOKINETICS:

Ivermectin is extensively distributed in different tissues, with special relevance in adipose tissue, which acts as a drug reservoir. A significant proportion of the drug may also be eliminated in milk in lactating animals.

More than 98% of the ivermectin dose is excreted in feces, while the remainder is eliminated in urine and milk.

After solubilization of albendazole in GI fluids, it is absorbed through the digestive mucosa. Most benzimidazoles bind to plasma proteins at approximately 50%.

Benzimidazole methyl-carbamates and their metabolites have a pKa between 6.8 and 7.8, existing mainly in non-ionized (lipophilic) form at plasma pH, favoring distribution into different tissues.

Albendazole is catalyzed by hepatic microsomal oxidase systems; the most important biotransformation reactions are sulfoxidation and hydroxylation. Praziquantel is absorbed from the digestive tract and metabolized in the liver. Only traces of the active dose are eliminated in feces and urine.

PHARMACODYNAMICS:

The mechanism of action of ivermectin is through release of gamma-aminobutyric acid (GABA), blocking nerve impulse transmission in neurons; this effect immobilizes parasites, causing their death.

The mechanism of action of benzimidazoles is interference with metabolic processes related to energy production. Benzimidazoles are also known to interact with and destroy tubulin.

Praziquantel exerts its antiparasitic effect by interfering with regulation of intracellular Ca⁺⁺ concentration, disrupting parasite motility and adhesion functions, acting on neuromuscular coordination.

It also causes irreversible focal vacuolization with subsequent disintegration of the cestode in specific areas of the parasite's tegument.

B-complex vitamins act as coenzymes in carbohydrate and protein metabolism.

INDICATIONS FOR USE AND TARGET SPECIES:

VERMICELL® EQUINES is a broad-spectrum antiparasitic combination indicated for treatment and control of parasitoses in horses caused by cestodes, nematodes, lice, ticks, mange mites, flies and their larvae, supplemented with vitamins B1 and B12. Use in horses not intended for human consumption.

DOSAGE:

5 g of paste per 100 kg body weight (Equivalent to 0.2 mg Ivermectin; 8.0 mg Albendazole; 1.5 mg Praziquantel; 3.33 mg Vitamin B1; and 0.005 mg Vitamin B12). Single dose for treatment and control of cestodes and nematodes; for control of lice and mange mites, repeat the dose at 4-day intervals at the veterinarian's discretion.

ROUTE OF ADMINISTRATION: Oral

STORAGE CONDITIONS:

Store at room temperature not exceeding 30 °C in a cool, dry place protected from sunlight. Keep out of reach of children and domestic animals.

WARNINGS:

Do not administer to animals sensitive to the ingredients in the formula.

Do not administer to horses intended for human consumption.

Anesthetic and tranquilizing agents may increase its depressant effect.

Empty containers must be incinerated or buried away from bodies of water, as ivermectins are highly toxic to aquatic organisms.

Do not administer to animals with liver problems.

Do not administer to weak or convalescent animals.

Consult a Veterinarian.

Veterinary use product.

Sale requires a medical prescription.

For exclusive use by the Veterinarian.