

VERMICELL PLUS

Q-0209-119



Tablets

Broad spectrum endectocide for canines and felines



Formula

Each tablet contains	
Ivermectin	2 mg
Praziquantel	50 mg
Excipient	1 tablet

Use in



Canines



Felines

INDICATIONS AND USES

VERMICELL PLUS is a broad spectrum ® endectocide, indicated for treatment and control of gastro intestinal and pulmonary parasitosis, caused by nematodes and cestodes, and larval stages of *Dirofilaria immitis*, ectoparasites such as scabies mites, ticks, blood sucking lice and canine and feline fleas. It is effective in a single dose and its action is maintained for more than three weeks, it does not require fasting for its administration. It has no adverse effects such as mutagenic, carcinogenic and teratogenic effects.

CLINICAL PHARMACOLOGY

DRUG KINETIC: Ivermectin has an adequate oral absorption and an excellent bioavailability, after its administration it reaches maximum plasma concentration in 4 to 6 hours, reaching a residual effect of up to 21 days. The distribution volume is greater than 5.3 l/kg which indicates that a large amount is located in the different tissues, including the skin and lungs, but it does not penetrate effectively into the CNS, which helps reduce its toxic effects. It is widely distributed in tissues and generally residues are found in bile, fat, liver and less in the brain. The medium life of ivermectin is very long, it is metabolized in the liver through oxidative paths and eliminated in bile, which is why it is detected in feces, in milk and less than 5 % is excreted in urine. Praziquantel is rapidly absorbed at intestinal level. It is distributed through all tissues, passes through the blood brain barrier and the intestinal wall. It biotransforms in the liver and is excreted in bile and urine, its metabolites seem to be active. The praziquantel is excreted in very low amounts of unmetabolized dose in urine and feces.

PHARMACODYNAMICS: The acting mechanism of ivermectin is through the liberation of gamma amino butyric acid (GABA), which is an inhibitory type neurotransmitter that impedes the transmission of the nerve impulse of neurons of the ventral cord towards motor neurons. This pharmacological effect immobilizes parasites and then kills them, it also acts atonic level of nerve and muscular cells, above all in chloride. The action mechanism of praziquantel is through the loss of mono and divalent cations above all of intercellular calcium; its effect is irreversible and it provokes the paralysis and contraction of the parasites aside from blocking ATP synthesis. Blister formation is observed in the parasite integument, which breaks and provokes an extensive vacuolization which permits phagocytosis and lysis of the parasite.

ETIOLOGICAL AGENTS

Cestodes: *Dipylidium caninum*, *Taenia pisciformis*, *Taenia taeniaeformis*, *Echinococcus granulosus* and *Mesocestoides corti*. Nematodes: *Toxocara canis*, *Toxocara cati*, *Toxocara leonina*, *Ancylostoma caninum*, *Ancylostoma braziliense*, *Ancylostoma tubaeforme*, *Dirofilaria immitis*, *Capillaria aerophila*, *Capillaria plica*, *Capillaria feliscati*, *Capillaria linearis*, *Capillaria hepatica*, *Aelurostrongylus abstrusus*. External parasites: *Ctenocephalides canis*, *Ctenocephalides felis*, *Pulex irritans*, *Trichodectes canis*, *Felicola subrostratus*, *Linognathus setosus*, *Sarcoptes scabiei*, *Sarcoptes canis*, *Notodres cati*, *Otodectes cynotis*, *Cheyletiella* spp. *Demodex canis*, *Demodex cati*, *Rhipicephalus* spp, *Amblyomma* spp, *Dermacentor* spp, *Ixodes* spp.



DOSAGE

Canines

1 tablet for every 10 kilograms of body weight.

Felines

½ tablet for every 5 kilograms of body weight

FREQUENCY: SINGLE DOSE, FOR CONTROL OF SCABIES PRODUCING MITES.

TREATMENT CAN BE REPEATED EVERY 30 DAYS.

ROUTE OF ADMINISTRATION: ORAL

WARNING

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

Avoid use in breeds such as Collie, Shetland Sheep-dog, Old English Shepherd, Doberman and hybrids of these, although there may be individual susceptibility in any dog breed.

The use of this product in an elevated dose may cause neurologic effects.

Do not administer in puppies less than 6 weeks of age, or in old animals.

Do not administer in animals that present hepatic conditions.

Do not administer in weak or convalescing animals.

Do not overdose, it might cause depression, muscular tremors, weak muscles and vomit.

In patients with microfilaria, vomit, tachypnea, tremors and collapse have been reported, although in a very low incidence (5%).

Store product in a fresh, dry place, away from sunlight.

Store at room temperature at no more than 30° C and in a dry place.

Keep out of reach of children.

For exclusive use of veterinary medicine.

Sold by prescription only.

DRUG INTERACTIONS:

Must not be used concurrently with amitraz.

Anesthetic agents and tranquilizers can increase its depressor effect.

MEASURES FOR ENVIRONMENTAL PROTECTION:

Aquatic organisms and any residues must be safely disposed of by incinerating or burying them.

PRESENTATION

Jar with 50 tablets