

For the use only of a Registered Veterinary Practitioner or a Hospital or a Laboratory or a Farm.

Ivermectin, Praziquantel and Fenbendazole Oral Paste

Tritack™ Oral Paste



One Syringe of
20 gms

OVICIDE | LARVICIDE | ADULTICIDE

For Veterinary Use Only

COMPOSITION:

Each gram contains:

Ivermectin USP	10 mg
Praziquantel USP	75 mg
Fenbendazole BP (Vet)	225 mg
Excipients	q.s.

INDICATIONS:

Tritack Oral Paste is used for the control of infestations caused by gastrointestinal, pulmonary, cutaneous and gastrophilic parasites: *Strongylus vulgaris*, *edentatus* and *equinus*, *Trichostrongylus axei*, *Strongyloides westeri*, *Oxyuris equi*, *Parascaris equorum*, *Gasterophilus* spp., *Rhinoestrus purpureus*, *Draschia megastoma*, *Anoplocephala perfoliata*, *Anoplocephala magna*, *Echinococcus granulosus*, *Oesophagodontus robustus*, *Craterostomum acuticaudatum*, *Parafilaria multipapillosa*, *Halicephalobus gingivalis*, *Dictyocaulus imfieldi*, *Tricodontophorus*, *Cylicocilius* in Horses.

DOSAGE AND ADMINISTRATION:

The recommended dose is 1g of product / 40 Kg of weight, which is equivalent to:

Ivermectin 250 mcg / Kg of weight,
Praziquantel 1.87 mg / Kg of weight &
Fenbendazole 5.6 mg / Kg of weight.

To ensure administration of a correct dose, bodyweight should be determined as accurately as possible and the correct syringe division selected, as underdosing might lead to an increased risk of development of resistance to anthelmintic drugs.

The syringe should be adjusted to the calculated dosage by setting the ring on the appropriate place on the plunger.

The syringe contains 20 g of paste and delivers sufficient paste to treat 800 kg of bodyweight at the recommended dose rate.

DIRECTIONS FOR USE:

For oral use.

Before administration, adjust the syringe to the calculated dosage by setting the ring on the plunger. The paste is administered orally by inserting the nozzle of the syringe through the interdental space and depositing the required amount of the paste on the back of the tongue. The animal's mouth should be free of any food. Immediately after administration, elevate the head of the horse for a few seconds to ensure the dose is swallowed.

The veterinary surgeon should give advice regarding appropriate dosing programmes and stock management to achieve adequate parasite control for both tapeworm and roundworm infestations.

TARGET SPECIES:

Horses

PHARMACOLOGICAL PROPERTIES:

Pharmacotherapeutic group: Endectocides, ivermectin, combinations

ATCvet code: QP54AA51

PHARMACODYNAMICS:

Ivermectin is a macrocyclic-lactone derivative which has a broad antiparasitic activity against nematodes and arthropods. It acts by inhibiting nerve impulses. Its mode of action includes the glutamate-gated chloride ion channels. Ivermectin binds selectively and with high affinity to glutamate-gated chloride ion channels which occur in invertebrate nerve and muscle cells. This leads to an increase in the permeability of the cell membrane to chloride ions with hyperpolarization of the nerve or muscle cell, resulting in paralysis and death of the relevant parasites. Compounds of this class may also interact with other ligand-gated chloride channels, such as those gated by the neurotransmitter gamma-aminobutyric acid (GABA). The margin of safety for compounds of this class is attributable to the fact that mammals do not have glutamate-gated chloride channels.

Praziquantel is a pyrazinisoquinoline derivative which exerts its anthelmintic activity against many species of cestodes and trematodes. It primarily acts by impairing both motility and function of the suckers of cestodes.

Its mode of action includes the impairing of neuromuscular co-ordination but also influencing the permeability of the integument of the worms, which leads to excessive calcium and glucose loss. This induces spastic paralysis of the parasite musculature. Fenbendazole is an anthelmintic belonging to the benzimidazole-carbamate group. It acts by interfering with the energy metabolism of the nematode. The anthelmintic affects both adult and immature stages of gastro-intestinal and respiratory nematodes. This anthelmintic efficacy is based on inhibition of the polymerisation of tubulin to microtubuli.

PHARMACOKINETICS:

After administration of the recommended dosage to horses, the ivermectin plasma peak was reached within 24 hours. The ivermectin concentration was still over 2 ng/ml 14 days after administration. The elimination half-life of ivermectin was 90h. The elimination half-life of praziquantel was 40 min. The elimination of fenbendazole and its metabolites occurs primarily via the faeces.

WARNING & PRECAUTIONS:

- Wear gloves during application.
- Wash the hands thoroughly after use.
- Do not eat, drink or smoke while handling this product.
- Do not use in horses intended for human consumption.
- Assess bodyweight as accurately as possible before calculating the dosage.
- Intensive use or misuse of anthelmintics can give rise to resistance. Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.
- In case of accidental eye contact, rinse immediately with plenty of water.
- In case of accidental ingestion by Human being or eye irritation, seek medical advice and show the package leaflet or label to the physician.

CONTRAINDICATIONS:

- Do not use in foals under 5 weeks of age.
- Hypersensitivity to any of the Ingredients.

ADVERSE EFFECTS:

Horses carrying heavy infection of *Onchocerca microfilariae* have experienced reactions such as swelling and itching after treatment. It is assumed that these reactions are the result of the destruction of large numbers of microfilariae. In very rare occasions, allergic reactions such as hypersalivation, lingual oedema and urticaria, tachycardia, congested mucus membranes, and subcutaneous oedema have been reported following treatment with the product. A veterinarian should be consulted if these signs persist.

PREGNANCY AND LACTATION:

Ivermectin, Praziquantel and Fenbendazole combination Oral Paste can be safely used during pregnancy and lactation.

OVERDOSAGE:

Ivermectin, Praziquantel and Fenbendazole combination Oral Paste administered 3 times the recommended dosage did not show any adverse effects.

WITHDRAWAL PERIOD:

Horses: Meat: 10 days after the latest administration.

STORAGE:

Store below 30°C in a dry place.

PRESENTATION:

20 gm syringe packed in a Primary Carton along with the Pack Insert.

**VETERINARY.
FOR ANIMAL TREATMENT ONLY.
NOT FOR HUMAN USE.**

KEEP OUT OF REACH OF CHILDREN & PETS, AWAY FROM FOOD.

Carefully read the accompanying instructions before use.

Manufactured & Marketed by:

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A healthy buddy. A happy buddy.

VPP/E075