

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

Albendazole and Ivermectin Tablets

AdiVekTM
Tablets

**A Broad Spectrum
Anti-Parasitic
for Oral use.**

COMPOSITION:

Each uncoated tablet contains:

Albendazole USP	250 mg
Ivermectin USP	5 mg
Excipients	q.s.

CATEGORY: Anti-Parasitic

DESCRIPTION:

Albendazole is a broad spectrum anthelmintic, active against infections with gastrointestinal roundworm (including the larval stages of osteragia), lungworms, tapeworms and also against adult stages of liver fluke.

Ivermectin for the treatment and control of gastrointestinal nematodes, lungworms, eyeworms, infective-stage heartworms warbles, mange and ear mites, lice, ticks, fleas, nasafilariae and arthropods.

INDICATIONS:

For the treatment of infections with gastrointestinal nematodes, roundworm, lungworms, tapeworms, heartworms and also against adult stages of liver fluke, mange and ear mites, lice, ticks, fleas and arthropods.

DOSAGE AND ADMINISTRATION:

Dosage:

1 tablet per 20 kg body weight .

Incase of severe attack of ectoparasites or skin disease: 1 tablet per 10 Kg.

Repeat treatment after 28 days.

Or as directed by the Veterinarian.

Administration:

Oral

TARGET SPECIES:

Dogs

PHARMACODYNAMIC PROPERTIES:

Pharmacoth erapeutic group: Anthelmintics, Ivermectin, combinations.

ATCvet code: **QP 54AA51**

PHARMACODYNAMICS:

Albendazole is a broad spectrum multi-purpose anthelmintic for the control of mature and developing immature forms of gastrointestinal roundworms, lungworms, tapeworms and adult liver fluke in dogs. The product is also ovicidal against fluke and roundworm eggs.

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 hyperpolarisation of the nerve or muscle cell, resulting in paralysis and death of the relevant parasites.

PHARMACOKINETICS:

After oral administration at the recommended dosage, the Ivermectin peak plasma concentration of around 12 ng/mL (Cmax) was reached between 4 and 8 hours (Tmax). The oral mean absolute bioavailability of Ivermectin is around 9%. Ivermectin is a poorly metabolised compound. Due to its lipophilic nature, ivermectin is excreted in bile and ultimately eliminated from the body via the faeces. In horses, about 75% of the administered dose is excreted via the faeces after an oral administration of ivermectin at the recommended dose. Moreover 90% of the total drug is excreted within 4 days post-administration. Approximately 2% of unchanged ivermectin and metabolites are excreted in urine.

Albendazole has poor water solubility and limited absorption from the gastrointestinal tract (about 50% of the oral dose is absorbed in cattle). Following absorption, there is rapid first pass metabolism in the liver and the sulphide moiety of albendazole is oxidised to the pharmacologically active sulphoxide, then to the sulphone, followed by deacetylation of the carbamate group to form the 2-aminosulphone.

WARNING & PRECAUTIONS:

- Do not use on the following breeds : Collies, Scotisch shepherds and Siberian Husky.
- Do not exceed the recommended dosage.
- Determine the bodyweight accurately before treatment to ensure correct dosage.
- Wash the hands thoroughly after use.

CONTRAINDICATIONS:

Do not administer to animals other than those for which it is indicated. Hypersensitivity to any of the Ingredients.

PREGNANCY AND LACTATION:

Care should be taken not to exceed the recommended dose during the first month of pregnancy. No interference with reproductive performance when used in pregnant cows or breeding bulls.

DRUG INTERACTIONS:

None Known.

ADVERSE EFFECTS :

Somnolence, salivation and vomiting in some cases.

OVERDOSAGE:

Over dosage up to five times of the recommended dose is unlikely to cause adverse reaction in healthy animals.

WITHDRAWAL PERIOD:

Not Applicable

STORAGE:

Store below 30°C. Protect from direct sunlight.

PRESENTATION:

HDPE container of 1000's Tablets along with the Pack Insert.

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

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

Veko[®]

A healthy society. A happy breed.

Manufactured & Marketed by:

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