

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

Ivermectin and Praziquantel Tablets

IpeX™ Tablet

A Broad Spectrum Anthelmintic for Dogs & Cats.

COMPOSITION:

Each uncoated tablet contains:
Ivermectin USP.....2 mg
Praziquantel USP.....50 mg
Excipients.....q.s.

DESCRIPTION:

IpeX Tablet is a broad spectrum anthelmintic for the treatment and control of roundworms and flatworms. They kill the internal parasites by either stunning or killing them. It is safe and effective to combat the menace of intestinal worms in Dogs & Cats.

Worms are capable of harming the pet in many ways. Some of the symptoms are weakness, listlessness, dry and dull fur, diarrhoea, vomiting, lack of appetite, weight loss and improper growth.

INDICATIONS:

IpeX Tablet is recommended for the treatment and control of internal parasites (nematodes and cestodes) in Dogs & Cats.

DOSAGE AND ADMINISTRATION:

Dosage:
1 tablet for 10 kg body weight .
Or as directed by the Veterinarian.

Administration:

Oral

TARGET SPECIES :

Dogs & Cats

PHARMACODYNAMIC PROPERTIES :

Pharmacotherapeutic group: Endectocides, ivermectin, combinations.
ATCvet code: QP 54AA51

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

Praziquantel is a pyrazinoisoquinoline 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.

PHARMACOKINETICS:

After oral administration at the recommended dosage, the Ivermectin peak plasma concentration of around 12 ng/mL (C_{max}) was reached between 4 and 8 hours (T_{max}). 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.

Orally, praziquantel is rapidly absorbed, and then rapidly undergoes a strong first pass effect in all the species studied. After oral administration at the recommended dosage, the mean maximal praziquantel concentration of around 0.3 µg/mL (C_{max}) is reached in a range of 0.2-2 hours (T_{max}). The oral mean absolute bioavailability of praziquantel is around 36%. Praziquantel is a compound rapidly distributed in body tissues due to its high lipid solubility; the radioactivity tends to be localised mainly in the excretion organs, i.e. liver and kidneys. Praziquantel is an extensively metabolised compound in animals. The excretion occurs mainly via urine (approximately 70-80%) within 24 h as a variety of metabolites.

WARNING & PRECAUTION :

Do not exceed the recommended dosage. Toxic effects can occur when the recommended dose is exceeded. Ivermectin is not recommended for collie breed of dog & collie crosses.

CONTRAINDICATIONS:

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

PREGNANCY AND LACTATION:

Use only according to the benefit/risk assessment by the responsible veterinarian.

STORAGE:

Store below 30°C. Protect from direct sunlight.

PRESENTATION:

- 1 Blister containing 10 Tablets is packed in a Carton along with the Pack Insert.
- HDPE container of 1000 tablets along with the Pack Insert.

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

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

Carefully read the accompanying instructions before use.

Veko®

Manufactured & Marketed By:

VEKO CARE PVT. LTD.

Plot No. E - 48 & 49, MIDC, Ranjangaon,
District - Pune, Maharashtra, INDIA. Pin Code : 412220.

Customer care : care@vekocare.com

TM : Trade Mark of Veko Care

