For Veterinary Use Only

TENIAPAST®

Oral Paste

Veterinary Endectocide and Cestoid

COMPOSITION:

Teniapast Oral Paste is adhesive, whitish, viscous gel containing 4 mg ivermectin and 200 mg praziquantel in each 0.9 g.

PHARMACOLOGICAL PROPERTIES:

Ivermectin in Teniapast Oral Paste is a Avermectin derivative as a fermentation product of Streptomyces avermitilis. It is a synthetic chemotherapeutic. Ivermectin is formed 80% by 22-23 dihydro-avermectin B_{1a} at least, and 20% by 22-23 dihydroavermectin B_{1b} components at most. Ivermectin prevents motor nerve impulse passing by keeping chlorine (Cl^-) channels open by increasing Gama Amino Butyric Acid (GABA) release in motor ganglion synapsis (nematodes) or neuromuscular endplates (arthropods) in parasites; parasite gets paralyzed and dies. On the contrary because ivermectin could not pass the blood/brain barrier, and could not affect GABA placed in central nerve system in mammals thus it does not influence nerves sufficiently so it kills parasites without harming the host animal.

When administering orally maximal plasma concentration reach time is 1 day, and plasma elimination half life in sheep is 3-5 days in average. It moves as bonded to plasma proteins Distribution volume is high. It influences all tissues and body fluids excluding cranial-cerebrospinal fluid. Because it is released and eliminated slowly following its storage in fat tissues its permanent effects range between 2-4 weeks depending on types of parasite. It is excreted essentially through ballast discharge and minimally through urination. More than 90% of the substance excreted is non-metabolized main compound.

Praziquantel in Teniapast Oral Paste is an isoquinoline derivative acting by facilitating glucose pass via parasite skin and by interrupting membrane tension of parasites. 2 hours after the administration in sheep peak plasma level is reached. Praziquantel is dispersed into all body tissues, passes blood brain barrier and arrives ballast. Praziquantel is metabolized in liver, and is excreted through urination. Praziquantel half life is around 3 hours, and 80% of it is excreted from the body within 24 hours.

AREA OF USE / INDICATIONS:

Teniapast Oral Paste is used in order to treat and check nematode, cestode, external parasites, and nose worms.

Gastro-intestinal Nematodes: *Haemonchus sp, Ostertagia sp., Trichostrongylus sp, Cooperia sp, Nematodirus sp.,Oesophagostomun sp., Strongylus papillosus, Chaberthia ovina, Trichuris ovis*

Pulmonary Enterobius Vermicularis: *Dictyocaulus filaria*

Nose Worms: *Oestrus ovis*

Cestodes *Moniezia spp.,Stilesia sp., Avitellina sp., Thysaniezia sp.*

Mange Factors: *Sarcoptes scabei var. Ovis, Psoroptes ovis, Chorioptes bovis var. ovis*

Lice: *Bovicola ovis, Linognatus pedalis, L.ovillus, L.stenopsis*

Sheep Wool Fly : *Melophaga ovinus*

Screwworms: *Chrysomia bezziani*

USAGE AND DOSAGE:

Teniapast Oral Paste is administered in sheep by being wringed into mouth space through its special dosage indicating package. Unless recommended otherwise by veterinary surgeon Teniapast Oral Paste is administered in sheep orally at 200 µg/kg live weight dose by estimating ivermectin, and at 5-15 mg/kg live weight dose by estimating praziquantel. The practical dose of Teniapast Oral Paste is 0.9 g/20 kg live weight.

SHEEP/LAMB	
Live weight (kg)	**Administartion Dosage**
15-20	1 dose
21-40	2 doses
41-60	3 doses
61-80	4 doses

SPECIFIC CLINICAL PARTICULARS / WARNINGS FOR TARGET SPECIES:

- It has been determined ivermectin duration of permanent effects against infective enterobius vermicularis larva to be changed between 2-4 weeks as per type of nematodes
- Regardless which parasite is the issue it is a must to cover all animals in herd in order to be successful in the struggle against parasites.
- Parasitic development stages, contagion density, climate and grazing land conditions, grazing land programs, and other environmental factors for targeted parasites should be taken into account when determining administration time and administration frequency. Consult a veterinary surgeon for the most convenient and efficient parasite control program in that area.
- The administration is to be executed for a few times in a year in animals cropping on grazing land continuously or at intervals. Consult a veterinary surgeon in order to determine the most convenient disinfection times, number of disinfection, and administration intervals according to the regional conditions and target parasite situation.
- In young animals first time on grazing land the best results may be acquired in grazing season of that year when 3 administrations, at 3^{rd}, 8^{th}, and 13^{th} weeks following the first time in grazing land, are carried out.
- Psoroptic mange treatment in sheep is recommended to be executed at 7 day intervals and for a total of 2 times for the best results.

Use during pregnancy: Safe in pregnant women at the recommended doses.

UNDESIRED/SIDE EFFECTS

Temporary conditions such as diarrhoea and frequent excretion may be observed rarely.

DRUG INTERACTIONS:

There is no information considering ivermectin and praziquantelin incompatibility with other medicines.

SYMPTOMS OF OVERDOSE, MEASURES AND ANTIDOTE

Tolerance thresholds of ivermectin and praziquantelin are wide. No toxic effect of ivermectin is revealed up to 5 fold in lamb, and 10-20 fold in sheep. In case of overdose the symptoms related to central nerve system, including mydriasis, depression at various degrees, muscle relaxation, paresis, ataxia, tongue and lip tonus decrease, saliva release, lying on the ground at full length, and coma state are observed. No antidote is known.

WARNINGS FOR DRUG RESIDUES IN FOOD:

Withholding Period (WHP): The sheep should not be sent for slaughter before 28 days following the final drug administration and during the treatment. It could not be administered in milch sheep from which milk is produced for human consumption.

GENERAL WARNINGS:

Consult your veterinary surgeon before using and in case an unexpected effect is observed. Keep out of reach of children and away from food products. Do not purchase and use products with expired shelf life and damaged packages.

STORAGE CONDITIONS AND SHELF LIFE:

Protect from light. Store in its package at room temperature below 25^0C (15 -25^0C). Shelf life is 2 years as of the production date.

COMMERCIAL PRESENTATION FORM:

It is offered to market as 1, 2, 4 pieces and 45 g (50 doses) tube, and 315 g (350 doses) cartridge packages in styrofoam boxes.

PLACE AND CONDITIONS OF SALE:

Sold with Veterinary Surgeon's prescription in veterinary surgeries, pharmacies, and veterinary private hospitals (VPS).

APPROVAL DATE OF PACKAGE INSERT: 09.12.2005

MINISTRY OF AGRICULTURE AND RURAL AFFAIRS AUTHORIZATION DATE AND NO: 09.12.2005-15/036

NAME AND ADDRESS OF MARKETING AUTHORIZATION OWNER:

Alke Sağlik Ürünleri San. ve Tic. A.Ş

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