

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

Pyrantel Pamoate Oral Paste

PyraKO™ Oral Paste

CONTAINS:

Pyrantel pamoate USP..... 11.41 gm
In 26 gm paste

DOSAGE FORM

Oral paste

PHARMACOLOGY

Pharmacodynamics

Pyrantel pamoate is a member of the *tetrahydropyrimidine* class of anthelmintic compounds. It possesses broad-spectrum activity against the major gastrointestinal helminths of animals and

- It is effective against the following gastrointestinal helminths of foals, adult horses and donkeys:
 - Large and small strongyles (including benzimidazole-resistant strains of small strongyles)

- *Oxyuris equi*
- *Parascaris equorum*
- *Anoplocephala perfoliata*

Pyrantel acts as a potent agonist at acetylcholine (ACh) receptors on muscle cells of nematodes, leading to neuromuscular block characteristic of depolarising agents. This results in a prolonged spastic paralysis of the worm and expulsion from the host.

Pharmacokinetics

Pyrantel pamoate is relatively insoluble and poorly absorbed from the gut. Its activity is confined to parasites dwelling within the gut lumen. The small amount of pyrantel absorbed into the circulation is rapidly metabolised and the drug metabolites have no toxic potential.

INDICATIONS

For the removal and control of mature infections of large strongyles (*Strongylus vulgaris*, *S. edentatus*, *S. equinus*); small strongyles; pinworms (*Oxyuris equi*); and large roundworms (*Parascaris equorum*) in horses, donkeys and ponies.

DOSAGE AND ADMINISTRATION

Pyrantel pamoate oral paste is recommended for direct oral administration in horses, ponies, donkeys and foals over four weeks of age. It is not necessary to withhold any feed prior to administration. The following method of administration is recommended:

1. Position the locking ring over the appropriate mark on the plunger.
2. Remove the cap from the nozzle.
3. The paste is best deposited on the upper surface of the tongue. Introduce the nozzle end of the oral doser at the corner of the mouth. Direct the oral doser backwards and depress the plunger to deposit the paste onto the tongue. Providing the paste is given in this way, it is unlikely that any rejection will occur. Raising the head by placing a hand under the chin sometimes helps with swallowing.

Dosage

For the control and treatment of strongyles, *Oxyuris* and *Parascaris* but excluding *Anoplocephala* (tapeworm), pyrantel pamoate oral paste should be used at a dose rate of 19 mg pyrantel pamoate per kg body weight.

Body weight range	Dose - contents of	Dose of pyrantel pamoate
Up to 150 kg	¼ oral doser	2.85 g
151–300 kg	½ oral doser	5.70 g
301–450 kg	¾ oral doser	8.55 g
451–600 kg	Full oral doser	11.40 g

Note: Position locking ring over appropriate mark on plunger.

Dosing Programmes

Strongyles - *Oxyuris* and *Parascaris*

- **Foals:** One to eight months of age — dose every four weeks.
- **Horses and Donkeys:** Over eight months of age — routinely dose every six to eight weeks
- **Suckler Mares:** It has been shown that reduction of strongyle challenge to the suckling foal at pasture can be achieved by using clean pasture (re-seeded, or not grazed the previously year by horses), and dosing the mare three to four days before turning out and then at intervals of two to four weeks. Ideally mares with foals should go out to 'clean' pasture or, if this is not possible delay, turning them out.

For the Control and Treatment of Tapeworms

Pyrantel pamoate oral paste should be used at a dose rate of 38 mg pyrantel pamoate per kg body weight that is twice the dose rate for strongyles. The need for re-treatment may vary, but if considered necessary should be carried out after an interval of six weeks. To ensure administration of a correct dose, body weight should be determined as accurately as possible; accuracy of the dosing device should be checked.

CONTRAINDICATIONS

Not for use in horses with known hypersensitivity to the active ingredient.

WARNINGS AND PRECAUTIONS

Care should be taken to avoid the following practices because they increase the risk of development of resistance and could ultimately result in ineffective therapy:

- Too frequent and repeated use of anthelmintics from the same class, over an extended period of time.
- Underdosing, which may be due to underestimation of body weight, mis-administration of the product, or lack of calibration of the dosing device (if any).

Suspected clinical cases of resistance to anthelmintics should be further investigated using appropriate tests (e.g. faecal egg count reduction test). Where the results of the test(s) strongly suggest resistance to a particular anthelmintic, those belonging to another pharmacological class and having a different mode of action should be used.

Resistance to pyrantel pamoate has been reported in cyathostomes in horses. Therefore, the use of pyrantel pamoate oral paste should be based on local (regional, farm) epidemiological information about susceptibility of nematodes and recommendations on how to limit further selection for resistance to anthelmintics.

Drug Interactions

None known.

Pregnancy and Lactation

Pyrantel pamoate oral paste is specifically recommended for use in mares that may be pregnant and/or lactating. No adverse effects have been found or reported in trials using higher than recommended dosages.

Withdrawal Period

Horse meat: Zero days.

Special Precautions

The same oral doser should only be used to dose two animals if they are both healthy and are either running together, or are on the same premises and in direct contact with each other. Only for direct oral administration.

UNDESIRABLE EFFECTS

None known.

OVERDOSAGE

Pyrantel pamoate oral paste has an extremely wide safety margin and overdosage should not produce any adverse reactions.

INCOMPATIBILITY

None known.

STORAGE

Store below 25°C, protected from direct sunlight.

VETERINARY

**NOT FOR HUMAN USE
FOR TREATMENT OF ANIMALS ONLY**

KEEP OUT OF REACH OF CHILDREN.

Use as directed by a Registered Veterinary Practitioner.

PACKAGING INFORMATION

PyraKO Paste..... One Syringe of 26 gms



Manufactured & Marketed by:
Veko Care Pvt. Ltd.
Plot No. E-48 & 49, MIDC, Ranjangaon, Dist-Pune.
Maharashtra, India. Pin Code: 412220
Customer care: care@vekocare.com
TM: Trademark of Veko Care

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