MSD Animal Health UK Limited

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Panacur® 10% Oral Suspension

Species: Cattle, Horses and other equidae, Sheep

Therapeutic indication:Pharmaceuticals: Endoparasiticides: Anthelmintics for cattle, Anthelmintics for sheep, Anthelmintics for horses

Active ingredient: Fenbendazole

Product: Panacur® 10% Oral Suspension

Product index: Panacur® 10% Oral Suspension

Cattle - milk:120 Hours

Cattle - meat:12 Days

Sheep - meat:15 Days

Withdrawal notes: Sheep - Milk: 168 Hours
Not to be used in horses intended for human consumption.

Treated horses may never be slaughtered for human consumption.

The horse must have been declared as not intended for human consumption under national horse passport legislation.

Incorporating:

Qualitative and quantitative composition

Each ml contains:

Active substance:

Fenbendazole 100 mg

Benzyl alcohol 4.835 mg

Sodium methyl parahydroxybenzoate 2.00 mg

Sodium propyl parahydroxybenzoate 0.216 mg

For full list of excipients, see section “Pharmaceutical Particulars”.

Pharmaceutical form

White to off white suspension.

Clinical particulars

Target Species:

Cattle, sheep, horses and other equines.

Indications for use:

Cattle and sheep

A broad spectrum anthelmintic for the treatment of sheep and cattle infected with mature and developing immature forms of nematodes of the gastrointestinal and respiratory tracts

Cattle: For the treatment of cattle infected with:

Ostertagia spp.

Trichostrongylus spp.

Haemonchus spp.

Bunostomum spp.

Trichuris spp.

Cooperia spp.

Nematodirus spp.

Oesophagostomum spp.

Strongyloides spp.

Dictyocaulus viviparus

The product is usually effective against inhibited larvae of *Ostertagia* spp. and against *Moniezia* spp. of tapeworm.

Sheep: For the treatment of sheep infected with benzimidazole susceptible:

Ostertagia spp.

Trichostrongylus spp.

Cooperia spp.

Chabertia spp.

Strongyloides spp.

Haemonchus spp.

Nematodirus spp.

Oesophagostomum spp.

Bunostomum spp.

Dictyocaulus filaria

The product is usually effective against *Moniezia* spp. of tapeworm and may have useful but variable efficacy against *Trichuris* spp.

The product is usually effective against *Moniezia* spp. of tapeworm and may have useful but variable efficacy against *Trichuris* spp.

NOAH Compendium

Horses: For the treatment and control of adult and immature round worms of the gastrointestinal tract in horses and other equines.

The product effectively treats and controls the following roundworm infections:

Large strongyles (adults and migrating larval stages of *S.vulgaris*; adults and tissue larval stages of *S.edentatus*).

Benzimidazole susceptible adult and immature small strongyles cyathostomes). The product is also effective for the treatment and control of encysted mucosal 3rd and 4th stage small strongyle larvae and is also effective against encysted inhibited 3rd stage small strongyle larvae in the mucosa.

Adult and immature *Oxyuris* spp., *Strongyloides* spp. and *Parascaris equorum*.

Fenbendazole also has an ovicidal effect on nematode eggs.

Contraindications:

Do not use in horses and other equines intended for human consumption.

Fenbendazole as a medicated liquid feed should not be used in the treatment of clinical infestations in cattle and sheep.

Special warnings for each target species:

When administered by divided dosage in the form of liquid feed, the product may not be effective against *Strongyloides* and *Trichuris* spp. in cattle
and *Strongyloides*, *Dictyocaulus* and *Bunostomum* spp. in sheep.

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.

•Under dosing, which may be due to underestimation of body weight, misadministration 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, an anthelmintic belonging to another pharmacological class and having a different mode of action should be used.

Resistance to benzimidazoles (which include fenbendazole) has been reported in *Teladorsagia, Haemonchus, Cooperia* and *Trichostrongylus* species in small ruminants in a number of countries, including the EU. Resistance to fenbendazole has been reported in cyathostomes in horses. Therefore, the use of this product 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.

Special precautions for use:

Special precautions for use in animals

When incorporating this product into liquid feed, after thoroughly shaking the suspension, measure the required volume of the suspension and add it to approximately 10% of the liquid feed. Thoroughly mix this material and then add the remaining liquid feed and once again mix to produce a homogenous dispersion.

Mix the medicated feed thoroughly prior to administration for example by rolling the drum or barrel.

Intensive use or misuse of anthelmintic can give rise to resistance. To reduce this risk, dosing programmes should be discussed with your veterinary surgeon.

Operator warnings:

Do not smoke, eat or drink when handling the veterinary medicinal product.

Avoid contact with the skin, eyes and mucous membranes. In case of accidental spillage onto the skin, eyes or mucous membranes, wash skin thoroughly with soap and water and rinse eyes and mucous membranes with plenty of water.

Personal protective equipment including impermeable rubber gloves should be worn when handling the veterinary medicinal product.

In case of accidental ingestion, seek medical advice immediately and show the package leaflet or the label to the physician.

Wash hands thoroughly with soap and water after use.

Adverse Reactions:

Cattle, sheep, horses and other equines:

None known.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or its local representative or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

Use during pregnancy or lactation:

Can be used during pregnancy. Pregnant mares and young foals may also be safely treated with fenbendazole at the therapeutic dosage levels.

Interactions:

None known.

Amounts to be administered and administration route:

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Oral use.

Shake container before use.

No dietary control is required before or after treatment.

Underdosing could result in ineffective use and may favour resistance development.

To ensure a correct dosage, bodyweight should be determined as accurately as possible. Accuracy of the dosing device should be thoroughly checked.

Cattle and Horses: Administer orally 1 ml of the product per 13 kg bodyweight. (7.5 mg fenbendazole/kg bodyweight)

Practical dosage recommendations:

65 kg	5 ml
135 kg	10 ml
200 kg	15 ml
265 kg	20 ml
335 kg	25 ml
400 kg	30 ml

Above 400 kg, an extra 3.75 ml are required for each additional 50 kg bodyweight.

Sheep: Administer orally 0.5 ml per 10 kg bodyweight

(5 mg fenbendazole/kg bodyweight)

Practical dosage recommendations:

Up to 10 kg	0.5 ml
11 to 20 kg	1.0 ml
21 to 30 kg	1.5 ml
31 to 40 kg	2.0 ml
41 to 50 kg	2.5 ml
51 to 60 kg	3.0 ml
61 to 70 kg	3.5 ml
71 to 80 kg	4.0 ml

Above 80 kg, an extra 0.5 ml is required for each additional 10 kg bodyweight.

For administration to cattle and sheep a standard dosing gun or drenching equipment can be used.

For administration to horses, thoroughly mix the product with grain or concentrate feed and give the full dosage as one administration.

Treatment should be repeated when natural re-infection of animals with parasitic worms occurs.

Horses:

Recommended dosage programme: Inappropriate use of anthelmintics may increase resistance selection pressure and lead to reduced efficacy. The decision to use the product should be based on professional advice and take into account current best practice recommendations for parasite control. Five day course:

For the treatment and control of migrating and tissue larval stages of large strongyles, encysted mucosal 3rd and 4th stage small strongyle larvae and encysted inhibited 3rd stage small strongyle larvae in the mucosa administer 5 ml of the product per 64 kg bodyweight daily for 5 days (7.5 mg fenbendazole/kg bodyweight daily for 5 days).

Single dose treatment:

For the treatment and control of encysted mucosal stages of small strongyles administer 3 ml of the product per 10 kg bodyweight (30 mg fenbendazole/kg bodyweight).

For the treatment and control of migrating and tissue stages of large strongyles administer 6 ml of the product per 10 kg bodyweight (60 mg fenbendazole/kg bodyweight).

For the treatment of diarrhoea cause by *Strongyloides westeri* in two to three week old sucking foals administer 5 ml of the product per 10kg bodyweight (50 mg fenbendazole/kg bodyweight).

Do not mix with other products.

Overdose:

Benzimidazoles have a high margin of safety. No specific overdose symptoms are known. No specific action is required.

Withdrawal periods:

Cattle:

Meat and offal: 12 days

Milk: 5 days

Sheep:

Meat and offal: 15 days

Milk: 7 days

Horses:

Not to be used in horses intended for human consumption.

Treated horses may never be slaughtered for human consumption.

The horse must have been declared as not intended for human consumption under national horse passport legislation.

Pharmacological particulars

ATCvet code: QP52AC13

Pharmacotherapeutic group:

Fenbendazole is an anthelmintic belonging to the benzimidazole carbamates group. It acts by interfering with the energy metabolism of the nematode. The anthelmintic efficacy is based on inhibition of the polymerisation of tubulin to microtubuli. The anthelmintic affects both adult and immature stages of gastrointestinal and respiratory nematodes.

Pharmaceutical particulars

Excipients:

Sodium methyl parahydroxybenzoate

Sodium propyl parahydroxybenzoate

Benzyl alcohol

Silica, colloidal anhydrous

Carmellose sodium

Povidone K25

Sodium citrate dihydrate

Citric acid monohydrate

Purified water

Major incompatibilities:

None known.

Shelf life:

Shelf life of the veterinary medicinal product as packaged for sale: 3 years.

Liquid feed containing the product will remain stable for up to 3 months.

Special precautions for storage:

Do not store above 25 °C. Protect from frost. Do not freeze.

Immediate packaging:

1, 2, 5 or 10 litre multidose containers. Container: opaque white, high density polyethylene flat-bottle. Closure: Tamper proof aluminium foil seal with polypropylene screw cap.

1 or 2.5 litre multidose containers. Container: opaque white, high density polyethylene flexi-bottle with polypropylene screw cap.

Not all pack sizes may be marketed.

Disposal:

Medicines should not be disposed of via wastewater.

The veterinary medicinal product should not enter water courses as fenbendazole may be dangerous for fish and other aquatic organisms.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

Marketing Authorisation Holder (if different from distributor)

Intervet International B.V., represented by MSD Animal Health UK Limited.

Marketing Authorisation Number

UK: Vm 06376/4076

Significant changes

Date of the first authorisation or date of renewal

24 January 1994

Date of revision of the text

July 2025.

Any other information

For animal treatment only. Keep out of the sight and reach of children.

Environmental properties

Fenbendazole is toxic to fish and other aquatic organisms.

Legal category

Legal category:POM-VPS

GTIN

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