



# PARATEC

Oral solution  
(For vet. use only)

## Composition:

### Each liter contains:

Levamisole hydrochloride	40 g/L.
Closantel	37.5 g/L.
Albendazole	25 g/L.
Abamectin	1 g/L.

## Properties:

**Albendazole:** a member of the Benzimidazoles class of anthelmintics that act by interrupt parasite energy metabolism by binding to tubulin, thereby disrupting microtubular cell structure and preventing nutrient uptake and other functions. It acts against Gastro-intestinal roundworms, lungworms, tapeworms, and adult Fasciola in cattle, sheep; T type II ostertagiosis; gastro-intestinal roundworms and lungworms in goats and deer.

**Levamisole:** is a member of the imidazothiazoles class of anthelmintics that act by interfering with parasite nerve transmission causing muscular spasm and rapid expulsion. Levamisole is effective against adult and larval gastro-intestinal roundworm and lungworm infections.

**Closantel:** is a member of the salicylanilide class of anthelmintics, Closantel acts by uncoupling oxidative phosphorylation. Closantel is a parasiticide with flukicide activity and efficacy against certain other helminths and arthropods. Treatment with the veterinary medicinal product when fluke are five weeks and greater has been shown to reduce subsequent reproductive capacity and egg shedding.

**Abamectin:** is a member of the macrocyclic lactone (ML) family of anthelmintics. Abamectin exerts its anthelmintic effect by binding to glutamate-gated chloride (GluCl) channels expressed on nematode neurones and pharyngeal muscle cells. This leads to an increased permeability of the cell membrane to chloride ions with hyperpolarisation of nerve or muscle cells resulting in paralysis and death of the parasite. Abamectin has a broad spectrum activity against nematode and arthropod parasites of animals. Synergic action of Combination Drench for Sheep contains abamectin, albendazole, closantel and levamisole, Which are members of the macrocyclic lactone, benzimidazole, salicylanilide and imidazothiazole groups respectively. It is a broad-spectrum oral anthelmintic which can be used against susceptible gastro-intestinal parasites, and to prevent the introduction of resistant strains on to a property.

## Indications:

Treatment and control of sensitive strains of the following parasites of sheep:

Adult and immature gastrointestinal roundworms

- Barber's Pole Worm (*Haemonchus contortus*)– including inhibited L4 stage and strains with single, dual or triple resistance to macrocyclic lactones, benzimidazoles, levamisole or closantel, and strains with emerging resistance to closantel.
- Small Brown Stomach Worm (*Teladorsagia (Ostertagia) circumcincta*)– including inhibited L4 stage and strains with single or dual resistance to macrocyclic lactones, benzimidazoles or levamisole.
- Black Scour Worm (*Trichostrongylus colubriformis*) including strains with single or dual resistance to macrocyclic lactones, benzimidazoles or levamisole.
- Large Stomach Worm (*Haemonchus placei*).
- Stomach Hair Worm (*Trichostrongylus axei*).
- Black Scour Worm (*Trichostrongylus vitrinus*).
- Small Intestinal Worm (*Cooperia* spp).
- Thin-Necked Intestinal Worm (*Nematodirus* spp).
- Large Mouthed Bowel Worm (*Chabertia ovina*).

## Administration:

5 teiba st, From Alhouda wa Alhour st,  
Mansoura, Dakahlia, Egypt.

## factory:

Gamasa industrial zone 4 th area, Block B, No 6  
Gamasa, Dakahlia, Egypt.

## phone:

01273534552  
050 272 96 96

## email:

Sales@edpharma.com.eg  
www.edpharma.com.eg



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- Nodule Worm (*Oesophagostomum columbianum*).
- Large Bowel Worm (*Oesophagostomum venulosum*).
- Whip Worm (*Trichuris ovis*).
- Intestinal Threadworm (*Strongyloides papillosus*).
- Hookworm (*Bunostomum* spp) Nasal Bot (*Oestrus ovis*) Lungworm– Large Lungworm (*Dictyocaulus viviparus*)  
Liver Fluke (*Fasciola hepatica*)– mature fluke and immature forms including 6 week old stages.  
Reduces the output of viable fluke eggs.
- Tapeworms (*Monezia* spp)– heads and segments Itch mite (*Psorergates ovis*).

**Target species:**

Sheep.

**Dosage of Administration:**

**Route:** Orally via: drench equipment.

**For whole product:** 1 mL per 5 kg body weight.

**Warning and precautions:**

- 1- Exercise care in handling weak, pregnant and young animals to avoid unnecessary stress. Avoid yarding
- 2- animals off-feed overnight, and ensure animals have access to water when yarded prior to drenching.
- 3- Recommended dose should not be exceeded, except under veterinary supervision.
- 4- Check the accuracy of the drench equipment before and during use.
- 5- A representative sample of animals should be weighed before treatment.
- 6- Dose the mob to the heaviest animal by live weight in each group (ewes, wethers, rams, lambs).  
Do not under dose.
- 7- Where there is a large variation in size within the group, dose rate should be based on the label directions for each weight range. Drafting into two or more lines may be appropriate, to avoid excessive overdosing.

**Contra - Indications:**

- DO NOT USE in female sheep which are producing or may in the future produce milk Products for human consumption.
- DO NOT USE in lambs under 6 weeks of age or 10 kg body weight.

**Adverse Effects:**

None.

**Withdrawal times:**

**MEAT:**

- DO NOT USE less than 28 days before slaughter for human consumption.

**MILK:**

- DO NOT USE in female sheep which are producing or may in the future produce milk or milk products for human consumption.

**Storage conditions:**

Store at temperature not exceeding 30°C.

**Packaging:**

white plastic (HDPE) bottle containing 20, 25, 30, 50, 100, 150, 200, 250, 500, &1000ml) oral suspension lined with white (LDPE) foam closed by opaque plastic white (HDPE) screw cap and red(o) ring with an outer label and insert leaflet.

**Manufactured by: Biomedical pharmaceutical industries for Ed pharma**

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