

## Instructions for Use

Levazan (LEVAZAN)

Dosage form: Oral suspension for veterinary use

Pharmacotherapeutic group: Anthelmintic agent

ATCvet code: QP52AE01 – levamisole; QP52AG06 – oxyclozanide

Target species: Cattle, calves, sheep and goats

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## Composition

1 ml of suspension contains active substances:

- Levamisole hydrochloride – 30 mg
- Oxyclozanide – 60 mg

Excipients: sodium benzoate, xanthan gum, citric acid, purified water.

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## Description

White to cream-colored suspension. Phase separation may occur during storage.

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## Presentation

- 100 ml and 250 ml in white polyethylene bottles
  - 500 ml and 1000 ml in white polyethylene containers
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## Pharmacological Properties

The combination of levamisole and oxyclozanide provides a broad-spectrum anthelmintic effect.

Levamisole

Belongs to the imidazothiazole group of broad-spectrum anthelmintics.

Active against adult and larval stages of gastrointestinal and pulmonary nematodes, as well as trematodes and cestodes.

**Mechanism of action:**

Acts on the neuromuscular system of helminths, inhibiting enzyme activity, causing paralysis and death.

After oral administration, levamisole is rapidly absorbed and reaches maximum concentration within 30–50 minutes.

Therapeutic levels are maintained for 6–9 hours. Excreted mainly in urine.

**Oxyclozanide**

Belongs to the salicylanilide group of anthelmintics.

Active against trematodes, cestodes, and blood-feeding nematodes.

**Mechanism of action:**

Disrupts oxidative phosphorylation, reduces ATP production, causing metabolic disorders and parasite death.

Absorption after oral administration is slow. Therapeutic plasma concentration is reached within 24 hours.

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**Indications**

Used against gastrointestinal and pulmonary nematodes:

*Haemonchus* spp., *Ostertagia* spp., *Trichostrongylus* spp., *Nematodirus* spp., *Bunostomum* spp., *Oesophagostomum* spp., *Cooperia* spp., *Dictyocaulus* spp.

Also effective against trematodes and cestodes:

*Fasciola gigantica*, *Fasciola hepatica*, *Paramphistomum* spp., *Moniezia* spp.

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**Dosage and Administration**

Used for treatment and prevention.

Administer orally, individually to each animal.

Shake well before use.

Cattle, calves, sheep and goats:  
2.5 ml per 10 kg body weight.

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### Adverse Reactions

When used according to instructions, adverse effects are generally not observed.

In cases of hypersensitivity or allergic reactions, discontinue use and administer antihistamines and symptomatic therapy.

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### Contraindications

- Hypersensitivity to levamisole or oxclozanide
  - Weakened, exhausted, or infectious animals
  - Last third of pregnancy in cattle
  - Second half of pregnancy in sheep and goats
  - Animals with liver dysfunction, renal or pulmonary insufficiency
  - Do not use with pyrantel, morantel or organophosphate compounds
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### Overdose

Possible signs: agitation, colic, salivation, increased defecation, diarrhea, urination, ataxia, allergic reactions (itching, urticaria).

Symptoms usually resolve without specific treatment.

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### Withdrawal Period

Meat: 28 days

Milk: 4 days

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### Storage Conditions

Store in a dry place protected from light at 15–25°C.

Shelf life: 2 years

Manufacturer:

LLC “Biotecs”, Georgia, Tbilisi, Iumashev St. #8