

Instructions for Use

Hellebore Tincture

Tincturae Veratri

Dosage Form

Solution for oral and external use, for veterinary use only.

Pharmacotherapeutic Group: Agent acting on the digestive system. Antiektoparasitic agent.

Target Species: Cattle, sheep, goats, dogs.

Composition

1 ml of solution contains:

- Active substance: Hellebore root extract – 100 mg

Excipients:

- Ethyl alcohol 70° – up to 1 ml
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Description

Yellow or brownish-yellow transparent solution with a specific odor.

Packaging

10 ml brown glass vial and 250 ml polyethylene bottle.

Pharmacological Properties

The preparation is obtained from white hellebore rhizomes. It contains alkaloids (protoveratrine and nervine), as well as resins, sugars, starch, and tannins.

When administered orally, hellebore alkaloids irritate the mucous membranes and reflexively stimulate motility and secretion of the forestomach glands in ruminants, resulting in belching and rumination. In dogs and pigs, it induces vomiting.

For external use, the preparation exhibits ectoparasitic activity. It is active against lice, fleas, hair eaters, and ticks at all stages of development.

The mechanism of action of hellebore alkaloids consists of blocking nerve impulse transmission, leading to impaired coordination, paralysis, and death of ectoparasites.

Indications for Use

In ruminants (cattle, sheep, goats), the product is used as a ruminatory agent to restore rumination in cases of forestomach disorders (chronic atony, tympany, rumen overfilling) and paresis.

In dogs, it is prescribed as an emetic and as an ectoparasitic agent for treatment and prevention.

Dosage and Administration

Internal Use

Administer orally once with drinking water at the following doses:

- Cattle: 2–2.5 ml per 100 kg body weight or 5–12 ml per animal.
- Sheep and goats: 0.7–0.8 ml per 10 kg body weight or 2–4 ml per animal.

In chronic ruminal tympany, divide the above dose into three parts and administer at 3-hour intervals.

- Dogs: 0.5–2 ml per animal, 1–2 times daily until recovery.
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External Use

Used for therapy and prevention of ectoparasites (fleas, lice, hair eaters, ticks).

Dilute the tincture in non-chlorinated water (1:1). Spray onto the animal's back in areas

where ectoparasites accumulate. After 15–20 minutes, thoroughly comb the treated area and wash with soapy water (or shampoo). Repeat treatment after 8–10 days.

Warning

When used externally, licking of the product must be prevented.

Adverse Reactions

When used according to instructions and recommended doses, no side effects are observed.

In case of overdose, severe intoxication may occur. In such cases, administer 1% atropine sulfate solution at recommended doses.

Contraindications

Do not administer to horses or pregnant cows.

Withdrawal Period

Animal products (meat, milk): 0 days.

Storage Conditions

Store in a dry place protected from light at 18–22°C.

Shelf Life

2 years.

Manufacturer

Biotecs, Georgia

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