

Piroteks 7% + B12 + B6

Diminazene diacetate

Solution for injection. For veterinary use.

Composition

Each 1 mL contains: active substance: diminazene diacetate - 0.07 g.

Excipients: phenazone; vitamin B12; vitamin B6; polyvinylpyrrolidone; water for injections up to 1 mL.

Description

A clear reddish-orange solution with a characteristic odour.

Pharmacological properties

Diminazene diacetate is an antiprotozoal agent active against protozoan organisms, including Babesia (causative agents of piroplasmosis: Babesia bovis, Babesia ovis, Babesia caballi, Babesia equi, Babesia canis), trypanosomes (Tr. congolense, Tr. vivax, Tr. brucei) and Theileria (Theileria annulata). Its mechanism of action is based on disruption of aerobic glycolysis and DNA synthesis in pathogenic protozoa, including disruption of cell membrane functions, increased permeability and destruction of cellular structures, resulting in parasite death.

Phenazone (antipyrine) stabilises diminazene and also has analgesic, antipyretic and anti-inflammatory effects, reducing the duration of fever.

Vitamins B6 and B12 support the normal functioning of the blood-forming organs and the nervous system.

Following parenteral administration of the solution, diminazene reaches a therapeutic blood concentration within 3-4 hours and maintains therapeutic levels for 24 hours. The medicine accumulates mainly in the kidneys and liver and is excreted in urine and, during lactation, partly in milk.

According to its degree of impact, Piroteks 7% + B12 + B6 is classified as a moderately hazardous substance (hazard class 3). At the recommended doses, it has no sensitising, embryotoxic or teratogenic effects.

Indications

Piroteks 7% + B12 + B6 is used for the treatment and prevention of blood-parasitic diseases in cattle, sheep, goats, horses, camels and dogs (trypanosomiasis, piroplasmosis, babesiosis, haemosporidiosis, franciellosis, theileriosis and equine nuttalliosis), as well as mixed infestations (piroplasmosis and franciellosis).

Adverse reactions

When used at the recommended doses, the medicine causes no adverse reactions and has no local irritant or allergic effects.

Contraindications

Hypersensitivity to any component of the medicine.

Target species

Cattle, sheep and goats, camels, horses and dogs.

Method of administration and dosage

The medicine is administered once by deep intramuscular injection.

Cattle, sheep, goats, horses and camels: treatment - 1 mL per 20 kg body weight; prevention - 1 mL per 40 kg body weight. If necessary, the treatment dose may be repeated after 24 hours.

For nagana caused by trypanosomes, the medicine is administered at twice the dose.

For the treatment of protozoal diseases in dogs: 1 mL per 10 kg body weight.

Special warnings

Special warnings for each target species: because of possible pain reactions, the calculated volume administered at a single injection site must not exceed 10 mL in large animals or 2.5 mL in small animals. Larger volumes must be injected at several sites. A local reaction, such as redness or painful swelling at the injection site, may occur and resolves spontaneously within a few days.

Dogs may experience convulsions, ataxia, vomiting and muscle tremors.

Special precautions for use in the target species

For the treatment of protozoal diseases in dogs, the recommended dose must be divided into two doses administered 1-2 hours apart. Parenteral administration of an antihistamine before administration of the medicine is also recommended.

Sick animals should be kept in a quiet environment and additionally receive symptomatic medicines (cardiac agents, antihistamines, laxatives, vitamins and trace elements).

When treating animals with an acute form of the disease, the mass death of blood parasites may cause intoxication, liver dysfunction and cardiovascular disturbances. In such cases, intensive therapy is required, including intravenous administration of electrolyte and hepatoprotective solutions.

Special precautions for the person administering the veterinary medicine

When handling the medicine, observe the general rules of personal hygiene and the safety precautions applicable to handling medicines. People with hypersensitivity to the components should avoid direct contact with the medicine. Eating, drinking and smoking are prohibited while working. After completing the work, wash hands with warm water and soap. Empty vials must not be used for household purposes; they must be disposed of with household waste.

In the event of accidental contact with the skin or the mucous membranes of the eyes, rinse with plenty of running water. If an allergic reaction occurs or the medicine accidentally enters the human body, seek medical attention immediately (take the package leaflet or label with you).

Pregnancy and lactation

During pregnancy and lactation, and in puppies, the medicine is prescribed with caution, under direct veterinary supervision, on the basis of a benefit-risk assessment.

Overdose

In the event of overdose, animals may show nervous symptoms: bradycardia, increased respiratory rate, anorexia and tremor. Symptomatic treatment should be provided.

Interactions

The medicine must not be used together with other antiprotozoal agents.

Withdrawal period

Animals may be slaughtered for meat no earlier than 21 days after the last administration of the medicine. The withdrawal period for milk is 3 days.

Meat from animals subjected to emergency slaughter before the end of the withdrawal period is used to produce meat and bone meal. The medicine is completely safe for handling personnel.

Storage conditions

Store in a dry place, protected from light, at a temperature not exceeding 25 °C.

Shelf life

1 year.

Presentation

100 mL, 50 mL and 24 mL solution for injection in Type III amber glass vials, hermetically sealed with a grey bromobutyl rubber stopper, an aluminium cap and a plastic flip-off cap providing evidence of first opening.

Pharmacotherapeutic group

Antiparasitic, antiprotozoal agent. ATCvet code: QP51DF01 - diminazene.

Keep out of the reach of children.

For animal treatment only.

Available on veterinary prescription.

Manufacturer

Biotechs LLC, Georgia, Tbilisi, 8 Iumashevi Street.