INSTRUCTIONS
for Use of the Veterinary Drug Dectolet
1. General Information

1.1 The veterinary drug Dectolet.

International nonproprietary name: doramectin (doramectinum).

Dosage form: solution for intramuscular and subcutaneous administration.

1.2 The veterinary drug Dectolet (hereinafter referred to as the product) is a clear solution ranging in color from colorless to yellow.

Each 1.0 ml of the product contains 10 mg of doramectin as the active ingredient and the following excipients: ethyl oleate, sunflower oil, butylated hydroxytoluene.

1.3 The product is available in glass vials of 50 and 100 ml.

Store in the manufacturer's packaging (List B) in a dry place, protected from direct sunlight, separate from food and feed, at a temperature between +5°C and +25°C.

1.4 Shelf life of the product is 3 (three) years from the date of manufacture, provided the storage and transportation conditions are met.

After opening and removing the first dose from the vial, the product can be stored for 24 days at a temperature between +2°C and +8°C. Keep out of reach of children. Do not use after the expiration date.

1.5 Dispensing conditions: over-the-counter.

2. Pharmacological Properties

2.1 The product belongs to the group of antiparasitic agents with systemic action, from the class of macrocyclic lactones.

It is active against adult forms and larvae of nematodes (*Ostertagia circumcincta, Haemonchus contortus, Trichostrongylus spp., Cooperia curticei, Oesophagostomum venulosum, Nematodirus spp., Strongyloides papillosus, Strongyloides ransomi, Metastrongylus spp., Dictyocaulus filaria, Trichocephalus ovis, Hyostrongylus rubidus, Ascaris suum*), larvae of botflies (*Hypoderma spp., Oestrus ovis*), lice (*Haematopinus spp., Linognathus spp., Solenopotes spp., Bovicola bovis*), mange mites (*Psoroptes ovis, Sarcoptes suis, Sarcoptes ovis, Sarcoptes bovis, Chorioptes bovis*), ixodid ticks (*Boophilus microplus*), and other parasites susceptible to doramectin.

2.2 The mechanism of action of doramectin in the product is based on its binding to the receptors of muscle and nerve cells in parasites, increasing membrane permeability to chloride ions. This leads to the blockade of electrical activity in nerve and muscle cells of nematodes and arthropods, causing paralysis and death.

2.3 After subcutaneous or intramuscular injection, doramectin is easily absorbed at the injection site and maintains a therapeutic concentration in the blood for up to 28 days. It is excreted primarily in the feces.

2.4 The product is classified as low-hazard (Hazard Class IV according to GOST 12.1.007-76) and does not exhibit mutagenic, teratogenic, or embryotoxic effects.

3. Directions for Use

3.1 The product is used for pigs, cattle, and sheep in cases of infections caused by nematodes, botfly larvae, lice, biting lice, ixodid and mange mites, and other parasitic diseases whose pathogens are susceptible to doramectin.

3.2 The product is administered once at the following dosages:

- For cattle and sheep: intramuscularly (middle third of the neck) or subcutaneously (in the neck or shoulder area) at a dose of 1.0 ml per 50 kg of body weight, which corresponds to 0.2 mg of doramectin per 1 kg of body weight.
- For pigs: intramuscularly (in the neck or behind the ear) at a dose of 1.0 ml per 3 kg of body weight, which corresponds to 0.3 mg of doramectin per 1 kg of body weight.

Before administration, the product should be warmed in a water bath to a temperature of 37–38°C.

3.3 The product is not recommended for use in pregnant animals.

3.4 In case of overdose, animals may exhibit depression, loss of appetite, tremors, increased salivation. General measures should be taken to eliminate the product from the body.

3.5 Do not use in animals with hypersensitivity to doramectin. If individual hypersensitivity or side effects occur, the use of the product should be discontinued and symptomatic treatment administered.

3.6 The product is prohibited for use in lactating animals whose milk is intended for human consumption.

3.7 Slaughter of cattle and sheep for meat is permitted no earlier than 70 days, and pigs — 7 days after administration.

In case of forced slaughter before these periods, internal organs must be destroyed, and the meat can only be used for feeding carnivorous animals.

4. Precautionary Measures

4.1 When working with the product, standard personal hygiene and safety measures must be observed.

4.2 In case of contact with skin or mucous membranes, rinse thoroughly with water.

5. Claims Procedure

5.1 In case of complications following the use of the product, discontinue its use and contact the State Veterinary Institution at the location.

Veterinary professionals of this institution will verify compliance with the usage instructions.

If the negative effect of the product is confirmed, samples must be collected (at least 3 units from the affected batch) and an official sampling report prepared.

Samples should be sent to the State Institution "Belarusian State Veterinary Center" for compliance verification with regulatory documents (220005, Republic of Belarus, Minsk, Krasnaya St. 19A, Tel.: +375-17-290-42-75).

6. Manufacturer Information

6.1 Production Cooperative "Biogel".

Legal address: Republic of Belarus, 220035, Minsk, Timiryazeva St., 65, office 313.

Production site address: Republic of Belarus, 222685, Minsk region, Stolbtsovsky district, village of Nivnoye.

Manufactured on behalf of the Private Production and Trade Unitary Enterprise "Letyal", Republic of Belarus, 220075, Minsk, Inzhenernaya St., 1E.

Instructions for use developed by staff of PC "Biogel" and Private Enterprise "Letyal" (L.E. Yanushevskaya, A.N. Bezborodkin).