INSTRUCTIONS
for Use of the Veterinary Drug Tilmosalum 25%

1. General Information

1.1 The veterinary drug Tilmosalum 25%.

International Nonproprietary Name of the active pharmaceutical substance: tilmicosin.

Pharmaceutical form: oral solution.

1.2 A clear liquid ranging from light yellow to brown in color.

1.3 Each 1 ml of the product contains 250 mg of tilmicosin and excipients: propylene glycol, distilled water.

1.4 The product is packaged in polyethylene containers with screw caps of 100, 500, and 1000 ml.

1.5 Store the product in a dry, dark place at a temperature between +5°C and +25°C. Keep out of reach of children.

1.6 Shelf life is 2 (two) years from the date of manufacture under proper storage conditions. Do not use after the expiration date.

2. Pharmacological Properties

2.1 Tilmicosin phosphate is a macrolide antibiotic. It is active against most gram-positive and some gram-negative microorganisms such as *Staphylococcus spp., Streptococcus spp., Pasteurella spp., Clostridium spp., Arcanobacterium spp. (Corynebacterium), Brachyspira hyodysenteriae, Chlamydia spp., Actinobacillus pleuropneumoniae, Mannheimia haemolytica* and *Mycoplasma spp.*

2.2 The bacteriostatic mechanism of action of tilmicosin is based on the inhibition of protein synthesis at the ribosomal level in microbial cells.

2.3 After oral administration, tilmicosin phosphate is well absorbed through the gastrointestinal tract and penetrates most organs and tissues of the body, reaching peak serum concentrations within 1.5–3 hours; therapeutic concentrations remain in the body for 18–24 hours. Tilmicosin is excreted mainly unchanged, primarily via bile and partially via urine.

3. Directions for Use

3.1 Tilmosalum 25% is prescribed for pigs, calves, and poultry to treat respiratory diseases such as pasteurellosis, mycoplasmosis, pleuropneumonia of bacterial origin, and other diseases caused by tilmicosin-sensitive microorganisms.

3.2 The product is administered orally with drinking water or feed for 3–5 consecutive days:

- For poultry: group treatment at a daily dose of 300 ml per 1000 liters of water.
- For pigs: individually or group treatment at 80 ml per 100 liters of water (15–20 mg of tilmicosin per 1 kg of animal body weight).
- For calves: individually with drinking water, feed, or milk replacer twice daily at a dose of 0.5 ml per 10 kg of body weight.

The solution should be the only source of drinking water during treatment and must be used within 24 hours.

3.3 Contraindications: severe liver and/or kidney dysfunction; concurrent or within 7 days before or after administration of ionophore coccidiostats, aminoglycoside antibiotics; hypersensitivity to product components.

Not to be used in adult ruminants with developed ruminal digestion or in laying hens due to accumulation of tilmicosin phosphate in eggs.

3.4 Side effects: In rare cases, allergic reactions may occur in pigs and calves. In such cases, discontinue use and administer antihistamines.

3.5 Slaughter of pigs and poultry for meat is allowed 16 days after the last administration, and calves no earlier than 35 days. Meat from animals and poultry slaughtered before this period may only be used to feed carnivorous animals.

4. Precautionary Measures

4.1 When handling the product, standard personal hygiene and safety precautions should be followed.

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

5. Claims Procedure

5.1 In case of complications following use of the product, discontinue use and contact the State Veterinary Institution in your area. Veterinary professionals will investigate compliance with all administration guidelines.

If adverse effects of the product on the animal are confirmed, at least 3 unopened packages from the affected batch will be selected by veterinary professionals, a sampling report will be completed, and the product will be sent to the State Institution "Belarusian State Veterinary Center" for compliance verification (Minsk, Krasnaya St. 19a, Tel.: 290-42-75).

6. Manufacturer Information

6.1 Production Cooperative "Biogel", Republic of Belarus, 220035, Minsk, Timiryazeva St., 65, office 313, by order of the Private Manufacturing and Trading Unitary Enterprise "Letyal", Republic of Belarus, 220091, Minsk, Inzhenernaya St., 1e.

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