INSTRUCTIONS
for Use of the Veterinary Drug Letainilum
1 General Information

1.1 The veterinary drug Letainilum.

International nonproprietary name: ketoprofenum.

Pharmaceutical form: solution for intramuscular and subcutaneous administration.

1.2 The veterinary medicinal product Letainilum (hereinafter referred to as the product) is a clear solution ranging from colorless to light yellow in appearance.

1.3 Each 1.0 ml of the product contains 100 mg of ketoprofen and excipients: L-arginine, benzyl alcohol, citric acid, distilled water.

1.4 The product is supplied in glass vials of 10, 50, and 100 ml.

1.5 The product should be stored in the manufacturer's packaging, listed under Category B, in a place protected from direct sunlight, at a temperature between +5°C and +25°C. Keep out of reach of children.

1.6 Shelf life – 3 (three) years from the date of manufacture. After opening and withdrawal of the first dose, the contents of the glass vial may be stored at a temperature of +2°C to +8°C and used within 24 days. Do not use after the expiration date.

2 Pharmacological Properties

2.1 Ketoprofenum is a non-steroidal drug with analgesic and antipyretic effects.

2.2 Ketoprofenum, included in the product, is a propionic acid derivative with pronounced anti-inflammatory, analgesic, and antipyretic action, and inhibits platelet aggregation. The mechanism of ketoprofen's action is based on the suppression of prostaglandin synthesis by affecting the cyclooxygenase and lipoxygenase pathways of arachidonic acid metabolism and stabilizing lysosomal membranes.

2.3 Ketoprofenum is rapidly absorbed from the injection site, enters the bloodstream and most organs and tissues, reaching maximum plasma concentration within 30–40 minutes, and is excreted mainly via the urine.

2.4 At recommended doses, it does not have local irritant, sensitizing, or embryotoxic effects and does not accumulate in the body.

2.5 According to the degree of impact on the body, the product is classified as low-hazard (Hazard Class IV according to GOST 12.1.007-76).

3 Directions for Use

3.1 The product is used in cattle as an anti-inflammatory, analgesic, and antipyretic agent for respiratory diseases, udder edema, acute mastitis, and inflammation of skeletal muscles; in pigs for the treatment of metritis-mastitis-agalactia syndrome, inflammatory processes of the musculoskeletal system, and respiratory diseases; in dogs and cats as an anti-inflammatory, analgesic, and antipyretic agent during the postoperative period, with hyperthermia, udder edema, and acute mastitis.

3.2 The product is administered at the following dosages:

- Dogs and cats: 0.02 ml/kg body weight subcutaneously or intramuscularly once daily for 1–5 days;
- Cattle: 3 ml per 100 kg body weight intramuscularly once daily for 1–5 days;
- Pigs: 3 ml per 100 kg body weight intramuscularly once daily for 1–3 days.

3.3 Contraindications include allergy to ketoprofen or other components of the product, gastric and duodenal ulcers, hemorrhagic syndrome, severe hepatic or renal insufficiency.

3.4 Use in pregnant and newborn animals is allowed when necessary if the expected benefit outweighs the potential risk. No specific restrictions were identified for lactating animals.

3.5 The product is not recommended for concurrent use with other non-steroidal anti-inflammatory drugs, glucocorticoids, anticoagulants, or diuretics. Do not mix with other medicinal products in the same syringe.

3.6 Slaughter of cattle for meat is permitted no earlier than 5 days, and pigs no earlier than 4 days after the last administration of the product. Meat from animals slaughtered before the specified

period may be used as feed for carnivorous animals. Milk obtained from animals after the end of treatment may be used without restriction.

4 Precautionary Measures

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

5 Claims Procedure

5.1 In the event of complications after using the product, its use should be discontinued and the consumer must contact the State Veterinary Institution within their locality. Veterinary specialists of this institution shall verify compliance with the usage instructions. If a negative impact of the product on the animal's body is confirmed or there are discrepancies in the product’s appearance, samples in the required quantity will be taken for laboratory testing, a sample collection report will be drafted, and sent to the State Institution "Belarusian State Veterinary Center" (220005, 19a Krasnaya St.) for conformity verification against regulatory documentation.

6 Manufacturer Information

6.1 Production Cooperative "Biogel".

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

Manufacturing site address: Republic of Belarus, 222685, Minsk Region, Stolbtsy District, Nivnoe village.

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

The instructions for use were developed by employees of PC "Biogel" and the Private Enterprise "Letyal" (L. E. Yanushevskaya, A. N. Bezborodkin).