

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

1.1 The veterinary drug Letmetrivet

International Nonproprietary Name: cefapirin.

Dosage form: suspension for intrauterine administration.

1.2 The veterinary drug Letmetrivet (hereinafter referred to as the product) is a homogeneous oily suspension ranging in color from white to cream. Stratification is allowed during storage.

1.3 Each 19 g syringe applicator contains 500 mg of cefapirin (as benzathine salt) as the active ingredient, along with excipients: aluminum stearate and vegetable oil.

1.4 The product is packaged in 19 g polymer single-use syringe applicators, each with a catheter for intrauterine administration and a glove for rectal fixation of the cervix, packed in a polyethylene pouch. 10 kits are placed in a cardboard box with instructions. Alternatively, 10 syringe applicators with instructions are packed in a metallized polyethylene bag or cardboard box.

1.5 Store the product in the manufacturer's packaging, in a dry, dark place at temperatures from +2°C to +25°C (List B). Keep out of reach of children.

1.6 Shelf life: 3 years from the manufacturing date if stored and transported properly. Unused product must be disposed of according to regulations.

1.7 Dispensing conditions: available without a veterinary prescription.

2. Pharmacological Properties

2.1 Cefapirin is a first-generation cephalosporin with a broad spectrum of antibacterial activity against gram-positive and gram-negative bacteria, including *Staphylococcus spp.*, *Streptococcus spp.*, *Escherichia coli*, *Proteus spp.*, *Actinomyces pyogenes*, *Bacteroides spp.*, *Klebsiella spp.*, *Salmonella spp.*, *Shigella spp.*, *Haemophilus influenzae*, and others sensitive to cefapirin.

2.2 Cefapirin works by inhibiting bacterial cell wall synthesis, causing membrane disruption and cell death. It is resistant to penicillinase and retains activity in both aerobic and anaerobic environments.

2.3 Cefapirin readily penetrates endometrial tissue and remains at bactericidal concentrations for at least 24 hours. It is excreted primarily via the urine, unchanged or as its metabolite, desacetylcefapirin.

2.4 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 to treat cows with various forms of chronic uterine inflammation (chronic and subclinical endometritis, pyometra) of bacterial origin.

3.2 Administer the product intrauterinely to cows at a dose of 19 g (one syringe applicator). Clean the external genitalia and tail root before use. Remove inflammatory exudate from the uterus if necessary. Attach the syringe to the catheter, put on the glove, fix the cervix rectally, insert the catheter carefully through the cervix into the uterus, and empty the syringe.

3.3 For chronic endometritis, administer once. Repeat in 7–14 days if necessary.

3.4 For subclinical endometritis, administer once, 12 hours after artificial insemination.

3.5 For pyometra, administer once, following a prior injection of prostaglandin F_{2α} 3–4 days beforehand.

3.6 Contraindicated in animals with hypersensitivity to cephalosporins or other beta-lactam antibiotics. Concurrent use with other intrauterine antibiotics is not recommended. In case of allergic reactions, discontinue use and administer antihistamines and symptomatic therapy.

3.7 Can be used during lactation.

3.8 Slaughter for meat is permitted 24 hours after the last administration. Meat from animals slaughtered earlier may be used to feed carnivorous animals. Milk for human consumption is allowed no sooner than 24 hours after administration. Milk obtained during treatment and within 24 hours after may be used to feed animals.

4. Precautionary Measures

4.1 Follow standard hygiene and safety procedures when handling the product.

5. Claims Procedure

5.1 In case of complications following use, discontinue the product and contact the local state veterinary institution. The institution's specialists will investigate compliance with usage instructions. If negative effects are confirmed, samples (at least three units from the batch) will be collected for laboratory testing and sent with a sampling report to the Belarusian State Veterinary Center (220005, Minsk, Krasnaya St. 19A) for regulatory compliance verification.

6. Manufacturer Information

6.1 Production Cooperative "Biogel". Legal address: Republic of Belarus, 220035, Minsk, 65 Timiryazeva St., office 313. Production site address: Republic of Belarus, 222685, Minsk region, Stolbtsy district, Derevnoye village. By order of Private Production and Trade Unitary Enterprise "Letyal" Republic of Belarus, 220075, Minsk, 1E Inzhenernaya St.

The instruction was developed by PC "Biogel" (L.E. Yanushevskaya) and PE "Letyal" (A.N. Bezborodkin).