

**METRILEK®**  
**Suspension for intrauterine administration**

**Description**

Yellow suspension.

**Composition**

30 ml of the drug contains:

*active ingredients*: cefquinome (equivalent to cefquinome sulfate) – 400 mg;

colistin sulfate – 95 mg;

*excipient* - vegetable oil.

**Pharmacological properties**

ATCvet **QG**. Antibacterials and antiseptics for intrauterine use. Antibacterials. **QG51AA07**. Cefquinome.

*Cefquinome* is a cephalosporin of the 4<sup>th</sup> generation, which has a broad spectrum of antibacterial effect mostly upon gram-positive and gram-negative bacteria (*Escherichia coli*, *Enterobacter spp.*, *Staphylococcus aureus*, *Streptococcus spp.*, *Clostridium spp.*, *Actinobacillus spp.*, *Citrobacter spp.*, *Klebsiella spp.*, *Pasteurella spp.*, *Proteus spp.*, *Salmonella spp.*, *Serratia marcescens*, *Histophilus somni*, *Arcanobacterium pyogenes*, *Bacillus spp.*, *Corynebacterium spp.*, *Bacteroides spp.*, *Fusobacterium spp.*, *Prevotella spp.* and *Erysipelothrix rhusiopathiae*), particularly, upon strains producing  $\beta$ -lactamase. Mechanism of bactericidal effect of the drug consists in inhibition of synthesis of cell membrane of microorganisms.

*Colistin* is an antibiotic of polymyxin group. It demonstrates bactericidal effect against gram-negative microorganisms (*E.coli*, *Salmonella spp.*, *Pasteurella spp.*, *Haemophilus spp.*, *Bordetella spp.*). The mechanism of action of colistin consists in violation of integrity of cytoplasmic membrane of microorganisms. Colistin interacts with phospholipids and penetrates inside, thus, it destroys the cell membrane structure. Permeability of bacterial membrane changes as soon as it comes into contact with the drug. Except for antibacterial action, colistin binds phospholipid A and neutralizes biological effect of bacterial endotoxin.

**Administration**

The drug is used for treatment of chronic and acute endometritides in cattle caused by cequinome-sensitive microorganisms.

**Dosage**

Administer contents of a single syringe tube intrauterinally with a single-use catheter. For this purpose connect the syringe tube to the catheter, take the cervix with hand, fix it through the rectum, carefully administer the catheter with the syringe through the cervix into the uterine cavity and eject the contents of the syringe tube with a plunger. If necessary, repeat the operation in 48 hours.

**Contraindications**

Administration of the drug to cows with hypersensitivity to cephalosporins and other  $\beta$ -lactam antibiotics, particularly – cefquinome, is prohibited. Discontinue administration and conduct symptomatic therapy in case allergic reactions are observed. Do not administer to pregnant animals.

**Precautions**

Shake the syringe tube intensely before use.

Milk can be consumed in 3 days and animal slaughter for meat is possible in 2 days following the last administration of the drug. Meat and milk obtained before the mentioned term shall be utilized or fed to non-productive animals depending on the statement of veterinary physician.

**Packaging**

Plastic syringe tubes of 30 ml with a catheter and a pair of rubber gloves each, 10 pcs. per cardboard package.

**Storage**

Store in original packaging in a dry, dark place out of the reach of children at 2-30°C.

**Shelf life**

2 years.