

## **ENGLISH VERSION**

### **BIFLOX FORTE (Biflox Forte)**

**Enrofloxacin 20%**

**Dosage Form**

**Oral solution for veterinary use**

**Target Species**

**Poultry, farm animals, fish**

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### **Composition**

**1 ml contains:**

**Enrofloxacin – 200 mg**

**Excipients: sodium hydroxide, benzyl alcohol, ascorbic acid.**

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### **Description**

**Slightly yellowish transparent solution, free from particles.**

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### **Pharmacological Properties**

**Enrofloxacin is a fluoroquinolone antibiotic with a broad spectrum of antibacterial activity. It is active against Gram-positive and Gram-negative microorganisms including: *Escherichia coli*, *Haemophilus spp.*, *Klebsiella spp.*, *Pasteurella spp.*, *Pseudomonas spp.*, *Bordetella spp.*, *Campylobacter spp.*, *Erysipelothrix spp.*, *Corynebacterium spp.*, *Staphylococcus spp.*, *Streptococcus spp.*, *Actinobacillus spp.*, *Clostridium spp.*, *Bacteroides spp.*, *Chlamydia spp.*, *Rickettsia spp.*, *Mycoplasma spp.***

**The mechanism of action is based on inhibition of the enzyme DNA gyrase, which affects DNA replication in the bacterial cell nucleus.**

**After oral administration, enrofloxacin is rapidly absorbed from the gastrointestinal tract and distributed to all organs and tissues. Depending on the species, maximum**

plasma concentration is reached within 0.5–2.5 hours and maintained for 7–10 hours. Therapeutic concentration persists for 24 hours.

Enrofloxacin is mainly excreted unchanged, partially metabolized and eliminated via urine and feces.

According to hazard classification standards, the product belongs to low-hazard substances (Hazard Class 4). At recommended doses, it has no sensitizing, embryotoxic, teratogenic, or mutagenic effects.

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### **Indications**

Biflox Forte is used for treatment of bacterial infections in farm animals, pond fish, and poultry affecting the respiratory and digestive systems, including:

(Broncho-)pneumonia, pasteurellosis, mycoplasmosis, colibacillosis, enteritis, paratyphoid fever, urinary tract infections, wound infections, and secondary bacterial infections (complications of viral diseases) caused by microorganisms sensitive to enrofloxacin.

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### **Adverse Reactions**

No side effects or complications have been observed when used according to instructions.

Enrofloxacin may occasionally cause crystallization in the urinary tract; therefore, water intake should not be restricted.

In case of individual hypersensitivity (feed refusal, vomiting, dizziness, weakness), treatment should be discontinued.

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### **Contraindications**

- **Animals with hepatic or renal insufficiency**
  - **Pregnant animals**
  - **Laying hens**
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### **Dosage and Administration**

**The product is administered individually or in groups, once daily for 3–5 days.**

**Poultry (individual administration)**

**1 ml per 20 kg body weight (10 mg/kg BW), with drinking water, once daily.**

**During treatment, birds should receive only medicated water.**

**Duration: 3 days (5 days in case of salmonellosis).**

**Farm Animals**

**Individually:**

**0.5–1 ml per 40 kg BW**

**or 4–5 ml per 150–200 kg BW**

**(2.5–5 mg enrofloxacin/kg BW)**

**Group treatment:**

**100 ml per 50–150 L drinking water, once daily for 3–5 days.**

**Fish**

**2.5–5 ml per 100 kg BW (5–10 mg/kg BW), for 3–5 days depending on disease severity.**

**For prophylaxis, half of the therapeutic dose is used for 3–5 days.**

**In severe or chronic infections, the therapeutic dose may be doubled.**

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**Drug Interactions**

**Shows synergistic interaction with fluoroquinolones, aminoglycosides, beta-lactams, and sulfonamides.**

**Simultaneous use with macrolides, tetracyclines, chloramphenicol, nitrofurans, NSAIDs, or theophylline is contraindicated due to antagonistic effects.**

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**Withdrawal Period**

**Meat:**

**Farm animals – 14 days after last administration**

**Poultry – 12 days**

**Eggs – 9 days after last administration**

**Fish – 10 days after last administration**

**Meat obtained before the withdrawal period may be used for feeding fur animals or for meat-and-bone meal production.**

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#### **Storage Conditions**

**Store in a dry place protected from light at a temperature not exceeding 25°C.**

**Shelf life: 2 years.**

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#### **Packaging**

**100 ml polyethylene bottle.**

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#### **Pharmacotherapeutic Group**

**Systemic antimicrobial agent, fluoroquinolone antibiotic.**

**ATCvet Code: QJ01MA90**

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#### **Manufacturer**

**Biotecsi LLC**

**Tbilisi, Georgia**

**8 Iumashevi Street**