

Pharmaceutical form

Injection solution

Pharmacotherapeutic group

Antibacterial agent, tetracycline group antibiotic

ATCvet code: QJ01AA06

Target species

Cattle (including calves), sheep, goats, pigs

Composition

1 ml of solution contains:

Oxytetracycline dihydrate – 200 mg

Description

Clear, slightly viscous solution from yellow-orange to brown in color.

Presentation

30 ml, 50 ml, and 100 ml dark glass vials, hermetically sealed with rubber stopper, aluminum cap and plastic flip-off cap (first opening control).

Pharmacological properties

Oxytetracycline is a broad-spectrum tetracycline antibiotic with bacteriostatic action against Gram-positive and Gram-negative bacteria including:

Staphylococcus spp., Streptococcus spp., Pasteurella spp., Klebsiella pneumoniae, Actinobacillus spp., Fusobacterium necrophorum, Bacteroides spp., E. coli, Salmonella spp., as well as actinomycetes, protozoa, spirochetes, rickettsiae, mycoplasmas and chlamydiae.

Mechanism of action:

Oxytetracycline inhibits bacterial protein synthesis by binding irreversibly to the 30S ribosomal subunit, preventing aminoacyl-tRNA attachment and blocking peptide chain elongation.

After intramuscular administration:

- **Maximum concentration: 30–50 minutes**

- Therapeutic level maintained: 60–72 hours
 - Excretion: urine, bile, milk
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Indications

For treatment of respiratory, gastrointestinal, dermatological, urogenital and septicemic infections in cattle, sheep, goats and pigs, including:

Pasteurellosis, colibacillosis, salmonellosis, erysipelas, anthrax, leptospirosis, non-viral pneumonia, bronchopneumonia, gastroenterocolitis, mastitis, endometritis, vaginitis, infectious abortion, mycoplasmosis, actinomycosis, chlamydiosis, foot rot, purulent-necrotic limb lesions, skin infections, anaplasmosis, theileriosis and other infections caused by oxytetracycline-sensitive pathogens.

Dosage and administration

Cattle (including calves), sheep, goats, pigs:

Intramuscular injection

**1 ml per 10 kg body weight
(= 20 mg/kg body weight)**

Administer once every 72 hours.

Maximum volume per injection site:

- Cattle: 20 ml
- Pigs: 10 ml
- Sheep, goats, calves: 5 ml

Massage injection site after administration.

Side effects

When used according to instructions, side effects are rare.

Possible reactions:

- Local irritation

- Allergic reactions
 - Rapid intravenous injection may cause cardiovascular collapse
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Contraindications

- Hypersensitivity to tetracyclines
 - Dogs, cats and horses (use prohibited)
 - Severe hepatic or renal insufficiency
 - Early life period
 - Use with caution in pregnant animals
 - Do not use with corticosteroids or estrogens
 - Not recommended with penicillins or cephalosporins
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Special warnings

In case of allergic reaction or anaphylactic shock, administer adrenaline.
Glucocorticoids and antihistamines are not recommended.

Follow general hygiene and safety rules when handling veterinary medicines.

Withdrawal period

Meat: 22 days after last administration

Milk: prohibited during treatment and 7 days after last injection

Milk may be used for animal feeding after heat treatment.

Storage conditions

Store in a dark, dry place at 15–25°C.

Keep out of reach of children.

Shelf life: 3 years

Opened vial must be used within 24 hours.

Manufacturer

LLC “Biotecsi”

Tbilisi, Georgia