

Doxalin

Doxycycline

Pharmaceutical Form

Oral solution for veterinary use.

Pharmacotherapeutic group: Antibacterials for systemic use

ATCvet code: QJ01AA22 – Doxycycline

Target species: Poultry, pigs

Composition

1 ml contains the active substance:

Doxycycline (as hyclate) – 100 mg/ml

Excipients:

Sodium formaldehyde sulfoxylate, anhydrous citric acid, flavouring agent (Pecuaroma), propylene glycol.

Appearance: A clear yellow, yellowish-brown or brown liquid with a characteristic odour.

Packaging: 100 ml polyethylene bottle.

Pharmacological Properties

Doxalin is an antibacterial medicinal product belonging to the tetracycline group. It has a bacteriostatic effect against Gram-positive and Gram-negative microorganisms, certain protozoa and mycoplasmas, including: *Escherichia coli*, *Haemophilus spp.*, *Pasteurella spp.*, *Salmonella spp.*, *Staphylococcus spp.*, *Streptococcus spp.*, *Clostridium spp.*, *Chlamydia spp.*, *Listeria spp.*, *Leptospira spp.*, *Mycoplasma spp.*

The mechanism of action of the product is based on inhibition of the activity of enzymes that catalyse the binding of aminoacyl-tRNA to ribosomal acceptors. This blocks the interaction between aminoacyl-transfer RNA and messenger RNA, resulting in disruption of protein synthesis in the microbial cell.

Indications for Use

Used in poultry and pigs for bacterial respiratory and gastrointestinal diseases, including salmonellosis, colibacillosis, enteritis, enzootic pneumonia, pasteurellosis, mycoplasmosis, and infections caused by microorganisms susceptible to doxycycline.

Administration and Dosage

The product is administered orally to poultry and pigs for individual or group treatment by adding it to drinking water at the following doses:

Poultry: 0.5–1 ml per 1 L of drinking water (equivalent to 50–100 mg of doxycycline per 1 L of drinking water). The course of treatment is 3–5 days.

Pigs: 1 ml per 10 kg body weight (equivalent to 10 mg of doxycycline per 1 kg body weight), once daily for 5 days.

During treatment, animals and poultry should receive only drinking water containing the medicinal product. The Doxalin medicated solution is intended for use within 24 hours and must therefore be freshly prepared every day.

Contraindications

Do not use in animals hypersensitive to tetracyclines. Do not use in cases of renal insufficiency, during pregnancy or lactation. Do not use in laying hens.

Adverse Reactions

During treatment with Doxalin, animals should be protected from direct sunlight, as the antibiotic may increase skin photosensitivity. Prolonged treatment may cause alterations of the intestinal flora.

Withdrawal Period

Products of animal origin may be used for human consumption after the following periods from the last administration of the product:

- Poultry meat: 6 days
- Pig meat: 10 days

Storage Conditions

Store in a dry, cool place protected from light at a temperature between 0°C and 25°C.

Keep out of reach of children.

Shelf life: 3 years. After first opening of the package: 28 days.

Manufacturer: Biotecs LLC, Georgia