



## Doxycycline

# DOXYCYCLINE 10%

Antibacterial / Oral solution



### Each Liter of product contains:

Doxycycline (hyclate) ..... 100 g  
Excipient q.s. to ..... 1 Liter

### Target Species: Poultry

#### Mode of action:

Doxycycline is a broad-spectrum bacteriostatic antibiotic belongs to the group of Tetracyclines.

The action of doxycycline is based on inhibition of bacterial protein synthesis by binding to bacterial ribosomes. It acts upon of some *Gram-positive* and *Gram-negative Bacteria*, *Chlamydia*, *Rickettsia*, *Mycoplasma*, and certain *Protozoa*.

#### Indications:

Doxycycline effects on Streptococcus, Staphylococcus, E.Coli, Salmonella also use in treatment of Fowlcholera, Infectious coryza, Air sac infections, CRD and Mycoplasmosis.

#### Contraindications:

- Do not use in case of hypersensitivity to tetracyclines group.
- Do not use in animals with severe liver-or kidney failure.
- Do not use in layers producing eggs for human consumption.

#### Dosage and mode of administration:

10-20 mg Doxycycline (hyclate) per body weight per day or 0.5-1 liter Doxycycline 10% per 1000 liters of drinking water for 3 to 5 days.

#### Notice:

Duration and amount of use should be administered by veterinarian. Medicated solution should be freshly prepared daily and consumed within 24 hours. Medicated drinking water should be the only water source available. After opening the bottle, the contents should be consumed within 30 days. In order to obtain correct dosage should be calculated based on the recommended dose, and the number and weight of the animals to be treated, according to the following formula:

$$\frac{\text{ml product}}{\text{per kg body weight per day}} \times \frac{\text{Average body weight (kg) of the birds}}{\text{to be treated}} = \frac{\text{ml product per}}{\text{lit drinking water}}$$

Average daily amount of drinking water lit per bird

The dosage rates of oral solutions or water soluble powder depending on the amount of up take of medicated drinking can be affected by factors like ambient temperature in different seasons ( warm or cold weather), salt content of food, clinical conditions of animal, stocking density, quality and hardness of water.

#### Interaction:

Do not use in conjunction with bactericidal antibiotics, such as Penicillins and Cephalosporins. Tetracyclines can chelate cations (e.g. Mg, Mn, Fe and Al) and this may lead to decreased bioavailability.

#### Withdrawal Time: 5 days before slaughtering.

**Precaution:** For veterinary use only. Keep out of reach of children. Wear overalls, impervious gloves, safety glasses and dust mask when handling or mixing the product. If Doxycycline accidentally enters the eyes wash eyes with plenty amount of water.

**Storage:** Keep in closed original pack, cool and dry place, 10- 25°C. Protect from direct sunlight.

**Shelf life:** 2 years from the date of manufacture.

**Packing:** 1 liter Polyethylene Bottles.

