



# Doxitylobact

(Powder for Oral Solution)  
(For vet. use only)

## Composition:

### Each 100 gm contain:

Tylosin (as tartrate)	50 gm.
Doxycycline (as hydrochloride)	20 gm.

## Properties:

Tylosin is a macrolide antibiotic that acts by interfering protein synthesis by reversibly binding to the 50S subunit of the ribosome.

Tylosin is active against most aerobic and anaerobic gram-positive bacteria.

In general, macrolides are not active against gram-negative bacteria, but some strains of *Pasteurella*, *Haemophilus*, and *Neisseria* spp may be sensitive.

Macrolides are active against atypical mycobacteria, *Mycobacterium*, *Mycoplasma*, *Chlamydia*, and *Rickettsia* spp but not against protozoa or fungi, *Bacteroides fragilis* strains are moderately susceptible to macrolides.

Doxycycline is a Tetracycline antibiotic that acts by reversible binding to the bacterial 30S ribosomal subunit, and specifically at the aminoacyl-tRNA receptor site on the mRNA ribosomal complex, thus preventing ribosomal translation.

Doxycycline has broad spectrum activity inhibiting both aerobic and anaerobic gram-positive and gram-negative bacteria, mycoplasmas, chlamydiae, rickettsias and some protozoa.

## Indication:

**Broiler chickens:** for the treatment of airsacculitis caused by *Mycoplasma synoviae* and chronic respiratory disease caused by *Mycoplasma gallisepticum*.

**Pigs:** for the treatment of enzootic pneumonia caused by *Mycoplasma hyopneumoniae* and *Pasteurella multocida*, and scours caused by *Lawsonia intracellularis*.

**Pre-ruminating calves:** for the treatment of pneumonia caused by mycoplasmas and *Pasteurella multocida*.

## Target species:

Broiler chickens, pigs and pre-ruminating calves.

## Dosage and administration:

**Route of Administration:** Orally via drinking water.

## Dose of whole product:

**Broiler chickens:** 1 gm of the product / 1 liter drinking water daily, for 5 days.

**Pigs:** 50 mg of the product / kg bw daily, for 3 to 10 days.

**Pre-ruminating calves:** 1 gm of the product / 12.5 kg bw twice daily, for 7 to 14 days.

## Warnings & Precautions:

- Tylosin may induce irritation, macrolides, such as tylosin, may also cause hypersensitivity (allergy) following injection, inhalation, ingestion or contact with skin or eye, Hypersensitivity to tylosin may lead to cross reactions to other macrolides and vice versa, allergic reactions to these substances may occasionally be serious and therefore direct contact should be avoided.

### Administration:

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Mansoura, Dakahlia, Egypt.

### factory:

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- To avoid exposure during preparation of the medicated feed, wear overalls, safety glasses, impervious gloves, wash hands after use.
- In the event of accidental skin contact, wash thoroughly with soap and water. In case of accidental eye contact, flush the eyes with plenty of clean, running water.
- Do not handle the product if you are allergic to macrolides or tetracyclines.
- Do not smoke, eat or drink while handling the product.

## **Contraindications:**

- Do not use in laying hens producing eggs for human consumption.
- Do not use in cattle producing milk for human consumption.
- Do not leave or dispose of water containing tylosin tartrate where it may be accessible to either animals not under treatment or to wildlife.
- Do not use in known cases of hypersensitivity to tylosin or other macrolides.
- Do not use in case of known hypersensitivity to tetracyclines or to the excipient.
- Do not use when tetracycline resistance has been detected in the herd/flock due to the potential for cross-resistance.
- Do not use in animals with impaired liver or kidney functions.

## **Adverse reactions:**

As for all tetracyclines, on rare occasions allergic reactions and photosensitivity may occur. If suspected adverse reactions occur, treatment should be discontinued.

## **Withdrawal time:**

Meat & offal

**Pig:** 4 days.

**Pre-ruminating calves:** 14 days.

**Broilers:** 10 days.

Not authorised for use in birds producing eggs for human consumption.

## **Storage conditions:**

Store at temperature not exceeding  $^{\circ}$  30C in a dry place. Used immediately after opening and reconstitution.

## **Pack:**

Transparent plastic (LDPE) bag containing 20, 25, 30, 50, 75, 100, 150, 200, 250, 300, 500, 750, 1000 gm of the product in (HDPE) plastic jar with (HDPE) cap with outer label and insert leaflet.

**Manufactured by Badr Pharma for Pharmaceutical Industries for ED Pharma.  
Or Manufactured by Biomedical pharmaceuticals industries for ED Pharma.**

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