FEED ADDITIVES

TYLOVET®

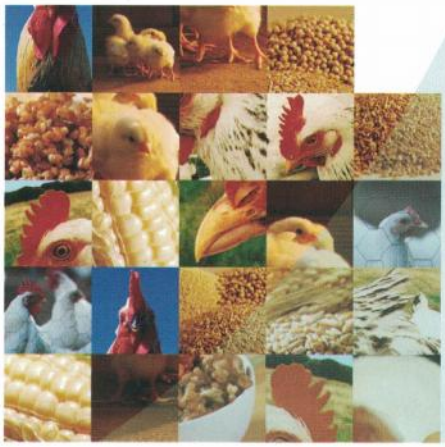
(Tylosin Phosphate 10%)

INTRODUCTION

Tylovet® (Tylosin Phosphate Premix-10%) is a medicated feed additive containing 100g tylosin phosphate activity per kg premix in a carrier suitable for feed supplementation.

Tylovet® is a macrolide antibiotic specific against *Mycoplasma spp.* and also has bacteriostatic effect against *Staphylococcus, Streptococcus, Campylobacter, E. coli* and other Gram positive and Gram negative pathogens.

Tylovet® is registered exclusively for veterinary use and primarily used for chronic respiratory disease like Mycoplasmosis and gastrointestinal diseases in pigs, poultry and cattle.



European Pharmacopoeia Quality

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TYLOVET®

(Tylosin Phosphate 10%)

STRUCTURE AND ACTIVITY

Tylosin is a mixture of four macrolide antibiotics (Tylosin A, B, C and D) produced by a strain of *Streptomyces fradiae*. The main component of the mixture (> 80%) is tylosin A. All four components contribute to the potency of tylosin, which is not less than 100 IU/mg (European Pharmacopoeia 'current edition').

MODE OF ACTION

Macrolide antibiotics are bacteriostatic compounds that reversibly bind to the 23S rRNA in the 50S ribosomal subunit and inhibit mRNA directed protein synthesis of susceptible micro-organisms. Tylovet® spectrum of activity includes *Mycoplasma,* Gram-positive bacteria and some Gram-negative bacteria.

PHARMACOKINETICS AND DYNAMICS

Tylosin is a weak organic base (pKa = 7.73) and it is slightly to moderately bound to plasma proteins (30%). It has a high degree of lipid solubility which makes it possible to be widely distributed in body fluids and tissues.

Absorption

In poultry, Tylovet® is quickly absorbed from the alimentary tract. Tylosin reaches maximum blood levels between 1 and 3 hours after oral administration.

Elimination

Tylovet® is extensively metabolized, and most of the residues are excreted in faeces predominantly consisting of tylosin A, tylosin factor D and dihydrodesmycosin.

DOSAGE

- For prevention of chronic respiratory disease in chicken and infectious sinusitis in turkeys 500 - 1000 ppm.
- For treatment of the above mentioned diseases, 1000 ppm daily for 3 to 7 days.
- In stress conditions of chicken and turkeys poults (vaccination, transporting, re-housing, overcrowding, abrupt changes in feed or in environmental temperature): 500 ppm daily in the course of 5-10 days.

OR AS RECOMMENDED BY VETERINARIAN.

CONTRAINDICATIONS

Do not use in animals with known hypersensitivity to tylosin or other macrolides and in cases with known resistance to tylosin or cross-resistance to other macrolides (MLS-resistance). Avoid use in animals with hepatic disorders.

SPECIAL WARNINGS

Under-dosing and/or treating for an insufficient period are considered to promote the development of resistance in bacteria and should be avoided at all times.

SIDE EFFECTS

Tylovet® is well tolerated by poultry and it does not show any toxicity or side effect on suggested dosage.

STORAGE

Store in a cool and dark place in original container.

PACKAGING

Tylovet® is available in 20kg bag.

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