



# Tilmovet<sup>®</sup>

250 MG/ML CONCENTRATE FOR ORAL SOLUTION



Tilmovet® 250 mg/ml Concentrate for oral Solution contains tilmicosin. It is a semi-synthetic macrolide antibiotic obtained from tylosin which affects bacterial protein synthesis.

Tilmovet® is registered exclusively for veterinary use and primarily for respiratory diseases associated with *Mycoplasma* spp. and other bacteria sensitive to tilmicosin in poultry, pigs and cattle.

#### STRUCTURE AND ACTIVITY

Tilmicosin has a wide spectrum of activity against Gram-positive organisms of porcine, avian and bovine origin as well as some activity against Gram-negative micro-organisms.

#### MODE OF ACTION

Tilmicosin binds the 23S rRNA in the 50S ribosome subunit and inhibit mRNA-directed protein synthesis of susceptible micro-organisms. The tilmicosin spectrum of activity includes *Mycoplasma gallisepticum*, *M. synoviae* and Gram-positive bacteria and some Gram-negative bacteria.

#### PHARMACOKINETIC AND DYNAMICS

##### Absorption and distribution

- Peak plasma concentrations are reached within 1 to 3 hours after oral administration.
- Tilmicosin can be found in all tissues, between 30 minutes and 2 hours after oral administration.
- Tilmicosin is distributed throughout the entire body, but highest concentrations were found in liver, kidney and lung tissue.

##### Elimination

Elimination of tilmicosin from blood serum is relatively slow. In birds, tilmicosin levels decrease slowly, keeping the character appropriate to antibiotic with continuous effect.

##### SOLUBILITY

Tilmovet® 250 mg/ml is a concentrated solution and is perfectly soluble in regular tap and/or pumped water regardless of temperature and water hardness.

$$\frac{\dots \text{ mg tilmicosin / kg body weight / day}}{\text{Average body weight (kg) of the animals to be treated}} \times \frac{\dots \text{ mg tilmicosin / l of drinking water}}{\text{Average amount of drinking water/animal (l)}} = \dots$$

#### DOSE AND ADMINISTRATION

An oral drinking water administration of 1 ml of the veterinary medicinal product corresponds to 250 mg of tilmicosin. The dosages are as follows:

Chicken (broilers, pullets)

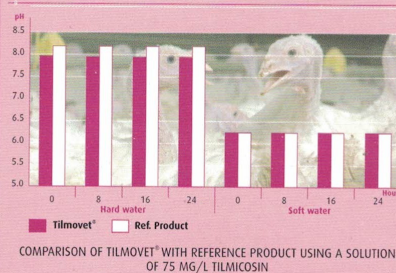
- For prevention  
10-15 mg / kg BW for 3-5 days and repeat every 4-6 weeks.
- For treatment  
15-20 mg / kg BW for 3-5 days and repeat every 4-6 weeks.

#### INDICATIONS FOR USE

Turkeys and chicken (broilers and pullets)

Treatment and prevention of respiratory infections associated with *Mycoplasma gallisepticum* and *M. synoviae*

#### STABILITY AND pH



#### PACKAGING

Tilmovet® 250 mg/ml concentrate for oral solution has a clear yellow to amber color and is meant for oral use only. As the product is sensitive to direct sunlight, a white, high density polyethylene (HDPE) bottle of 240 ml.

#### OTHER SPECIES

Tilmovet® 250mg/ml is also registered for pigs and calves.

#### User warnings

Because of the possibility of contact dermatitis and irritation of the skin, eyes or respiratory tract, direct contact during administration should be avoided.

- \* Used references can be requested on demand.
- \* Tilmovet® 250mg/ml brochure is following the authorized EU SPC.

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HUVEPHARMA N.V. • UITBREIDINGSTRAAT 80 • 2600 ANTWERP • BELGIUM • P +32 3 288 1849 • F +32 3 289 7845 • CUSTOMERSERVICE@HUVEPHARMA.COM  
HUVEPHARMA SEA • 104, Green Terraces, L-No. 5, Koregaon Park, Pune-1 • INDIA • P +91 20 2605 4193 • F +91 20 2605 3973 • SALESINDIA@HUVEPHARMA.COM

