Soluble Powder



Maximum Solubility, High Efficacy

Tylodox® WS

Tylosin tartrate 10%, Doxycycline hyclate 10%

Broad-spectrum Bacteriostatic - Additive Antibiotic Combination

Solubility ensures accurate dosing for your livestock.

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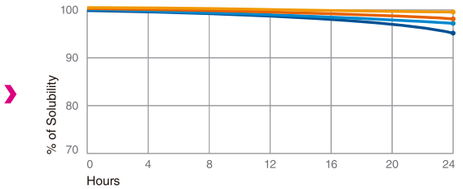
Tylodox® WS is an antibiotic combination of a macrolide, tylosin, and a tetracycline, doxycycline, providing a broad-spectrum additive effect.

Outstanding solubility

- **Maximum solubility** formula that ensures optimal dosing in drinking water, preventing precipitation and clogging issues in water lines and storage tanks.
- It has demonstrated up to **99.98%** solubility in studies conducted across water with varying hardness levels.

Solubility test of **Tylodox® WS** in water with different hardness levels (%)

Time (hours)	0	4	8	16	24
Soft Water	99.98	99.80	99.50	99.38	99.89
Semi Hard Water	99.80	99.68	99.44	99.25	98.15
Hard Water	99.80	99.56	99.50	99.13	97.51
Very Hard Water	99.84	99.80	99.13	98.38	95.23



*Solubility analysis of **Tylodox® WS** in hard water vs. competitor products

High Approved Stability*

- **Tylodox® WS** contains excipients that help maintain a stable concentration of its active ingredients for up to 24 hours after administration.
- Product quality remains stable for longer, preventing reactions that could compromise water quality.





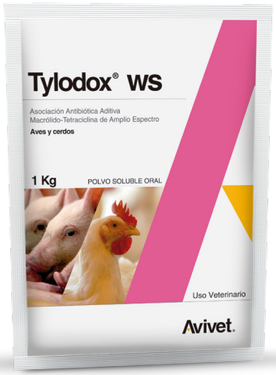
Synergistic and Additive Effect

Synergistic effect: primarily against mycoplasmosis and other respiratory diseases.
Additive effect: broad-spectrum activity against causative agents of various infectious conditions.

- Studies in poultry experimentally infected with *Mycoplasma gallinarum* demonstrated the efficacy of **Tylodox® WS**, achieving a 96.7% survival rate[1].
- **Tylodox® WS** has shown a 90.9% cure rate in 40- to 60-day-old pigs for the control of *Mycoplasma pneumoniae*[2].

Tylosin 10%

- Macrolide antibiotic with high intracellular concentration and extensive tissue distribution.
- Tylosin has a bacteriostatic action against Gram-positive and Gram-negative bacteria, including genera such as *Campylobacter, Pasteurella, Staphylococcus, Streptococcus, Treponema*, and *Mycoplasma.*



Doxycycline 10%

- High lipid solubility in the body — boosting bioavailability, rapid absorption, and optimal tissue distribution in the respiratory tract.
- Features bacteriostatic action, making it particularly effective against respiratory infections caused by Gram + and Gram - bacteria, including *Campylobacter, E. coli, Haemophilus, Salmonella, Staphylococcus*, and *Streptococcus*, among others.

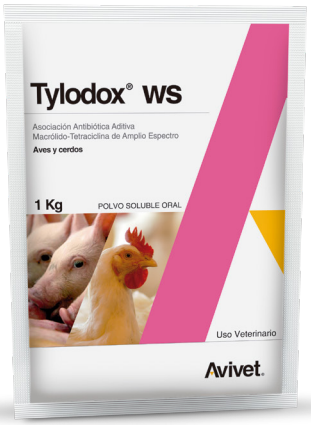




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Instructions

Poultry

- Mycoplasmosis, CRD (Chronic Respiratory Disease), enteritis, diarrhea, infectious coryza, omphalitis and yolk sac infection, fowl cholera, air *sacculitis*, *sinusitis*, synovitis, *hexamitiasis*, and staphylococcosis.
- General infections of the respiratory, digestive, and urogenital tracts.
- Prevention of secondary bacterial infections secondary to viral infections and stress conditions, including vaccinations, rehousing, beak trimming, transport, feed changes, and weather variations.

Swine

- Mycoplasmosis, colibacillosis, staphylococcosis, streptococcosis, corynebacteriosis, leptospirosis, diarrhea, and enteritis.
- General infections of the respiratory, digestive, and urogenital tracts.
- Prevention of secondary bacterial infections following viral infections and stress conditions, including vaccinations, rehousing, beak trimming, transport, feed changes, and weather variations.

Withdrawal Period: Swine: 8 days. / Poultry: 7 days.

! Do not administer to laying hens whose eggs are intended for human consumption.

Dosage and Administration

Tylodox® WS should be administered orally, mixed into drinking water or feed at the following rates:

Poultry and Swine

- Prevention: 1 kg / 2,000 L of water (or per 1,000 kg of feed) for 3–5 consecutive days.
- Treatment: 1 kg / 1,000–1,500 L of water (or per 500–750 kg of feed) for 3–5 consecutive days.

(**1**) Effect of **Tylodox® WS** on *Mycoplasma gallisepticum* in poultry.
(**2**) Effect of **Tylodox® WS** on *Mycoplasma pneumoniae* in swine.

Avivet®

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