

This datasheet offers general information. Please contact your local ECO representative for country-specific details.



## AIVLOSIN FG50 (also known as Aivlosin 42.5 mg/g Premix)

### **Presentation**

Aivlosin<sup>®</sup> FG50 (42.5 mg/g) is a free-flowing microgranulated premix for the medication of feedingstuffs, and contains tylvalosin (as tylvalosin tartrate). This provides 50 mg/g of activity when measured by microbiological assay or 42.5 mg/g by HPLC analysis.

### **Properties**

Tylvalosin is a new macrolide antibiotic based on a highly active lactone ring. It has antibacterial activity against Gram-positive and some Gram-negative organisms and against mycoplasma by way of inhibition of protein synthesis in the bacteria cell. It is highly effective against a range of important diseases in pigs and poultry

Tylvalosin has both bacteriostatic and bactericidal action plus the additional benefit of antimicrobial activity of the major metabolite 3-AT.

Tylvalosin can act intracellularly and reaches relatively high intracellular concentrations in phagocytic cells (macrophages and neutrophils). The activity of macrophages can be specifically increased and this may help the innate (non-specific) immune system remove foreign material such as pathogens.

### **Indications**

#### **Swine**

Aivlosin<sup>®</sup> FG50 (42.5 mg/g) is indicated for the treatment and prevention of Swine Enzootic Pneumonia caused by *Mycoplasma hyopneumoniae*, Ileitis (Porcine Proliferative Enteropathy) caused by the intracellular bacterium *Lawsonia intracellularis* and Swine Dysentery caused by *Brachyspira hyodysenteriae*. Aivlosin<sup>®</sup> is also active against *Brachyspira pilosicoli*, the cause of colitis in pigs.

#### **Poultry**

Aivlosin<sup>®</sup> FG50 (42.5 mg/g) is indicated for prevention and treatment of Mycoplasmosis (*Mycoplasma gallisepticum*, *M. synoviae* and other *Mycoplasma* species) and diseases associated with *Clostridium perfringens* (enteritis resulting in wet litter syndrome and cholangiohepatitis) in chickens, replacement pullets and turkeys. Aivlosin<sup>®</sup> also has activity against *Ornithobacterium rhinotracheale* (ORT) of poultry.

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### **Dosage and administration**

Aivlosin<sup>®</sup> FG50 (42.5 mg/g) should be mixed in the feed at the following dose rates.

	Amount of active per ton of feed	Amount of product per ton of feed
<b>Pigs and Poultry - Prevention</b>	50 g (50 ppm)	1 kg
<b>Pigs and Poultry - Treatment</b>	50-100 g (50-100 ppm)	1-2 kg

\* Consultation with your Veterinary Surgeon is recommended before commencing treatment.

Synergy of tylvalosin and tetracyclines has been shown and programmes in the field combining tetracyclines and tylvalosin at lower doses have proven effective.

#### **Swine**

For prevention, feed medicated feeding stuff at 50ppm for 21 days or until the end of the risk period.

For treatment, feed medicated feeding stuff at 100ppm for 10 days. Repeat as necessary.

For pigs with reduced or restricted food intake, inclusion levels may need to be increased to achieve target dosage.

#### **Poultry**

For use in a control programme, feed medicated feeding stuff at 50-100ppm for the first 7 days of life, followed by Aivlosin<sup>®</sup> FG50 at these levels for a further 5-7 days during periods of stress (e.g. vaccination).

### **Contra-indications/warnings etc.**

#### ***Withdrawal period***

Pigs: 2 days

Chickens: 3 days. Not intended for hens that produce eggs for human consumption.

#### ***Operator warnings***

When mixing the veterinary medicinal product and handling the medicated feed, direct contact with eyes, skin and mucous membranes should be avoided. Wash hands and exposed skin thoroughly after use. In case of eye contact, immediately flush out with plenty of water. In case of accidental ingestion seek immediate medical advice and show the label to the physician. People with a known hypersensitivity to tylvalosin tartrate should avoid any contact with the product.

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***Pharmaceutical precautions***

Do not store product above 25°C. Store in a cool, dry place, protected from direct sunlight.

Ensure the bag is closed securely after each use. Store in the original container.

***General precautions***

For animal treatment only. Keep out of reach and sight of children. Do not use after the expiry date stated on the label.

***Package quantities***

Aivlosin<sup>®</sup> FG50 (42.5 mg/g) is packed in 20kg bags and in some countries in smaller bags.

***Container disposal***

Dispose of unused veterinary medicinal product or waste materials and empty packaging safely and in accordance with local waste disposal requirements.

**Further information**

It is recommended that Aivlosin<sup>®</sup> is first mixed with 10kg of the feeding stuff, followed by the rest of the feeding stuff and mixed well. Medicated feed may be pelleted for up to 5 minutes at 70°C, which can be stored for 1-3 months.

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