

## Inclusion rates

	Growth promotion (per tonne of feed)	Treatment (per tonne of feed)
Pigs	< 4 months: 100g to 400g >4 months: 100g to 200g	1 to 4 kilograms per tonne of finished feed
Poultry	Broiler: 40g to 500g Layer/Breeder: 200g to 500g	General: 0.8kg to 1kg CRD: 8kg to 10kg

## Contraindications

Oedema of the anal mucosa, partial anal protrusion, erythema and pruritus have occasionally been reported following tylosin medication in pigs

## Stability

Storage in premix remains stable for 2 years

Stability both in meal and pellets are up to 3 months

## Application

Tilgain should be added to the mixer at an accurate inclusion rate and mixed homogenously with the feed

Do not mix with other in-feed antibiotics

**Note:** Following oral administration it is mainly absorbed from the anterior part of the small intestines. The two main routes of excretion are through the urine and the bile.

# Tilgain

Tylosin Phosphate

...simply a question of economics

## Maximising Livestock Potential



A Quality Feed Additive from Meriden



**Meriden**  
ANIMAL HEALTH

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## What is Tilgain?

- It is a feed additive premix formulated for safe and accurate dispersion in animal feed
- Tilgain contains tylosin phosphate equivalent to 10% tylosin activity
- Tylosin Phosphate is a mixture of antimicrobial macrolide antibiotics isolated from a strain of *Streptomyces fradiae* (*British Pharmacopoeia, Veterinary 1985*)

These macrolides are:

- tylosin (Factor A)
- desmycosin (Factor B)
- macrocin (Factor C)
- relomycin (Factor D)

## Why use Tilgain?

- It has good antibacterial activity against most pathogenic organisms such as Gram-positive bacteria, some Gram-negative bacteria, vibrios, spirochetes, coccidia, etc.
- It inhibits bacterial protein synthesis by inhibiting the 50S ribosome, a cellular structure only certain bacteria have and use to make internal proteins
- It is one of the first-choice drugs against infections caused by mycoplasma
- It is fast acting; it can be absorbed quickly after oral administration and distributed widely in the organs (mainly concentrated in lung, liver, kidney, spleen and gallbladder)
- It has a high bioavailability, which makes Tilgain's action rapid and long lasting
- It meets and exceeds minimum specifications for tylosin and has small-sized particles

## What is the specification?

Minimum specification	Tilgain's specification
80% of the total activity must be tylosin (Factor A)	>86% of the total activity is tylosin (Factor A)
95% of the total activity must be tylosin, desmycosin, macrocin and relomycin (Factors A,B,C and D)	>97% of the total activity is tylosin, desmycosin, macrocin and relomycin (Factors A,B,C and D)

## What species of animals can Tilgain be used for?

Tilgain is highly effective for use in both poultry and pigs

### Pigs

Increased growth rate and feed conversion efficiency

#### Prevention and treatment of:

Mycoplasma, Chlamydia, Spirochaetes, Vibrio, Pasteurella, Clostridium, Erysipelothrix, Corynebacterium, Staphylococcus and Streptococcus.

#### Specific indications:

Swine Enzootic Pneumonia (*Mycoplasma hyopneumoniae*)

Pasteurellosis (*Pasteurella multocida*)

Swine Dysentery (*Brachyspira hyodysenteriae*)

Porcine Intestinal Adenomatosis (*Lawsonia intracellularis*)

### Poultry

Increased growth rate and feed conversion efficiency

#### Prevention and treatment of:

Chronic Respiratory Disease (CRD) caused by *Mycoplasma gallisepticum*; Infectious Synovitis and Airsacculitis caused by *Mycoplasma synoviae* in broilers, replacement pullets and turkeys

