

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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ANIMAL HEALTH

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

