

Tilmicosin; flunixin

SCHEDULING STATUS: S4

CURRENTLY COMPOUNDED FORMULATION:

Active ingredient(s)	Injectable	Oral equine paste	Oral carnivore paste	Orals for exotics	Oral solution/suspension	Topical treatment	Shampoo	Capsules	Oral powder
Tilmicosin phosphate Flunixin meglumine	✓								

REGISTERED PRODUCT/ TRADE NAME: No South African product available; Tilcomina® (Argentina); Tilmic Plus® (Uruguay)

PHARMACOLOGICAL CLASSIFICATION: Tilmicosin is a macrolide antimicrobial; flunixin is a non-steroidal anti-inflammatory.

PHARMACOLOGICAL ACTION: Species of microorganisms commonly sensitive to tilmicosin: Macrolides are very active molecules against gram-positive bacteria, with a spectrum similar to natural penicillins, but against very few gram-negative, namely *Haemophilus* spp.; *Pasteurella* spp., *Bordetella* spp. and *Brucella* spp. It acts against *Campylobacter jejuni*. Undoubtedly the most remarkable action of these antibiotics is that it's very effective against Mycoplasmas. They also extend their action to Chlamydias and Rickettsiae^[1] Flunixin is a very potent cyclooxygenase inhibitor and, like other NSAIDs, it exhibits analgesic, anti-inflammatory and antipyretic activity.^[3]

INDICATION: Indicated for the treatment of Bovine Respiratory Disease (BRD), especially in association with *Pasteurella haemolytica* and *P. multocida*, and other organisms sensitive to tilmicosin. Infectious keratoconjunctivitis of bovine associated with tilmicosin-susceptible strains. Necrotic pododermatitis (foot rot). Indicated when, besides the antibiotic action, anti-inflammatory, analgesic and potent antipyretic action is required.^[2]

DOSAGE AND DIRECTIONS FOR USE:

CATTLE:

For intramuscular injection only.

For pneumonia: 10 mg/kg tilmicosin and 1.1-2.2 mg/kg flunixin every 72 hours.

Recommended as a single dose. If the veterinarian decides to repeat it, the recommended interval time is 72 hours. Do not apply more than 10 ml per injection site^[2]

WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:

- Do not administer intravenously. Do not administer to lactating dairy cows.^[1]
- Do not administer in animals hypersensitive to any of the components of the product.^[1]
- Do not administer to animals in liver failure. Handle with care to avoid accidental injections in man^[1]
- Do not mix in the same syringe, cannula or container, with any other substance foreign to the product^[1]
- Toxicity in man is not caused by manipulation of the product, only by injection or accidental ingestion. In this case call the doctor immediately. There is no specific antidote. In cases of accidental injection, it can be cardiotoxic^[1]
- Store away from direct sunlight, between 8-25 °C^[1]

REFERENCES:

1. <http://www.calier.com.ar/productos/tilcomina/> - translated into English*
2. Tilmic Plus package insert
3. Plumb's Veterinary Drug Handbook, Sixth Edition, Donald C. Plumb