

## Tilmicosin:

SCHEDULING STATUS: S4

### CURRENTLY COMPOUNDED FORMULATIONS:

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

**REGISTERED PRODUCT/ TRADE NAME:** Micotil® 300 (out of stock)

**PHARMACOLOGICAL CLASSIFICATION:** Macrolide antibiotic

**PHARMACOLOGICAL ACTION:** Tilmicosin has activity primarily against gram-positive bacteria. Tilmicosin reportedly has some activity against mycoplasma. Studies have shown that 95% of studied isolates of *Pasteurella haemolytica* are sensitive to tilmicosin.<sup>[1]</sup>

**INDICATIONS:** For the treatment of bovine respiratory disease (BRD).<sup>[1]</sup>

#### DOSAGE AND DIRECTIONS FOR USE:

**Special instructions to handler:** Be extremely cautious to avoid injection in a human as it may result in cardiotoxicity. In case of human injection, consult a doctor immediately. Avoid contact with eyes.

#### CATTLE:

**For subcutaneous injection only, to cattle with a body mass greater than 70 kg.**

Use 10 mg/kg SC every 72 hours. Do not inject more than 15 ml per injection site.<sup>[1]</sup>

#### WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:

- Not to be used in automatically powered syringes.<sup>[1]</sup>
- Do not administer intravenously, as fatalities may result.<sup>[1]</sup>
- Do not administer intramuscularly, as it may cause tissue necrosis.<sup>[2]</sup>
- Tilmicosin has been shown to be fatal in swine, non-human primates and potentially horses.<sup>[1]</sup>
- Withdrawal time: 40 days
- Do not use in lactating dairy cattle.<sup>[2]</sup>
- Accidental self injection in humans can be fatal.<sup>[1]</sup>
- After administration, swelling at the subcutaneous site of injection may be observed, but is temporary and usually mild.<sup>[2]</sup>

#### REFERENCES:

1. Plumb's Veterinary Drug Handbook, Sixth edition, by Donald C. Plumb
2. MIMS IDR 2017/18 – Volume 14