

Enrofloxacin

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
Enrofloxacin	✓	✓	✓	✓				✓	

REGISTERED PRODUCT/ TRADE NAME: Baytril® 10% oral suspension; Baytril® 100 injectable; Baytril® flavoured 15 mg; Baytril® flavoured 50 mg; Baytril® flavoured 150 mg; Baytril® 5% injectable.

PHARMACOLOGICAL CLASSIFICATION: Fluoroquinolone antibiotic^[1]

PHARMACOLOGICAL ACTION: The bactericidal activity is concentration dependent with susceptible bacteria cell death occurring within 20-30 minutes of exposure. It is believed to act by inhibiting bacterial DNA-gyrase thereby preventing DNA supercoiling and DNA synthesis.^[1]

INDICATIONS: Veterinary fluoroquinolone antibiotic. Contraindication: Young, growing animals due to cartilage abnormalities.^[1]

DOSAGE AND DIRECTIONS FOR USE:

DOGS:

For susceptible infections: 5-20 mg/kg PO – may be given once daily or divided and given twice daily. ^[1]

Treatment should continue for at least 2-3 days beyond cessation of clinical signs. ^[1]

For skin or urinary infections: 2.5-5 mg/kg PO oid for 7-14 days^[1]

For Pseudomonas infections in soft tissues: 11-20 mg/kg PO, OM or SC oid for a minimum of 7 days^[1]

CATS:

For susceptible infections: 5 mg/kg PO – may be given once daily or divided and given twice daily. Treatment should continue for at least 2-3 days beyond cessation of clinical signs. ^[1]

HORSES:

For susceptible respiratory infections: 7.5 mg/kg PO or IV oid ^[1]

CATTLE:

For susceptible infections such as *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus sommus*: 2.5-5 mg/kg SC oid for 3-5 days or 7.5-12.5 mg/kg SC once off. Not to be used in dairy cattle or veal calves. Withdrawal period should be adhered to when using in cattle intended for human consumption. ^[1]

FERRETS:

10-20 mg/kg PO, IM, SC bid ^[1]

RABBITS/ RODENTS/ SMALL MAMMALS:

Rabbits: 5 mg/kg PO, SC, IM bid for 14 days

Hedgehogs: 5-10 mg/kg PO bid

Chinchillas: 5-10 mg/kg PO bid

Mice and rats: 5-10 mg/kg PO bid ^[1]

ALPACAS:

5 mg/kg SC or 10 mg/kg PO oid ^[1]

BIRDS:

15 mg/kg PO or IM^[1]

250 mg/L of drinking water^[1]

REPTILES:

For susceptible respiratory infections for most species: 5 mg/kg IM every 5 days for 25 days. ^[1]

For chronic respiratory infections in tortoises: 15 mg/kg IM every 72 hours for 5-7 treatments. ^[1]

WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:

- Contra-indicated in dogs under 12-18 months of age and cats under 8 weeks of age. ^[1]

- Safety in pregnant or lactating exotic animals has not been established. ^[1]

REFERENCES:

1. Plumb's Veterinary Drug Handbook, Sixth edition, by Donald C. Plumb