OXYTETRACYCLINE DIHYDRATE

Veterinary Drug Directorate (VDD) Category: 3

Brand name:

Oxymycin LA (200 mg/mL)
Liquamycin LA-200 (200 mg/mL)
Bio-Mycin 200 (200 mg/mL)
Oxy Tetra-A (200 mg/mL)
Oxyvet 200 LA (200 mg/mL)

Labelled for treatment of:

Bacterial pneumonia, Pasteurellosis, Mastitis, Metritis, Calf scours (bacterial enteritis), Calf diphtheria, Footrot, Navel ill, Leptospirosis, Blackleg/malignant edema, Peritonitis and joint ill.

Able to be used in Lactating dairy cattle: NO

Label dose: 20 mg/kg (1mL/10kg) IM or SC once

Label withhold times:

Meat: 21 days for IM
42 days for SC

May be used off label for the treatment of:

Actinobacillosis (wooden tongue), Listeriosis, Vaginitis, Cervicitis, Pinkeye, Dermatophilosis, Cellulitis, Pyelonephritis, Cystitis, Urinary tract infections, Septicemia, Infected wounds and Pre- and Post-operative. Can be used topically to treat digital dermatitis (strawberry footrot/ hairy heel wart)

Off label dose range: 20 mg/kg IM or SC repeated every 4 days

Off label withhold times: Consult CgFARAD when using this product at the off label dose for withhold times.

Comments:

Oxytetracycline is a limited broad spectrum, bacteriostatic antibiotic that is very popular in cattle medicine. It is the only category 3 antimicrobial available for use in lactating dairy cattle so this may make it more desirable to use however Oxytetracycline is an antibiotic that is known to select for resistance so it may be more desirable to treat cases with beta-lactam products instead. Oxytetracycline has very poor activity against Truperella and coliforms which are some of the most frequently encountered bacteria in cattle. With the constant spread of spirochete bacteria such as Anaplasmosis up from the United States, Oxytetracycline will likely remain a staple antibiotic for use in cattle so we need to remain vigilant on its current use now. For specific disease treatment recommendations using Oxytetracycline please refer to the disease section of these guidelines.