Antimicrobial Drug Dosages for Common Laboratory Animals

Abbreviations used:

BW.....body weight	PO.....oral
sid....once a day	IM.....intramuscular
bid....twice a day	IV.....intravenous
tid....three times a day	IP....intraperitoneal
qid....four times a day	SC.....subcutaneous
q4h....every four hours	

MICE, RATS, GERBILS, HAMSTERS:

(The Biology & Medicine of Rabbits & Rodents - 4th Edition - Harkness & Wagner)

Ampicillin/Amoxicillin	6 mg/kg tid SC for 5 days
Enrofloxacin (Baytril)	5-10 mg/kg bid PO or IM or 50-200 mg/l drinking water for 14 days
Gentamicin	2-4 mg/kg q 8-24 h SC, IM - maintain hydration; nephrotoxic and ototoxic
Trimethoprim + Sulfadiazine	30 mg/kg bid PO

GUINEA PIGS: (4th edition - Harkness & Wagner)

Enrofloxacin (Baytril)	5-10 mg/kg bid PO or IM
Gentamicin	2-4 mg/kg q 8-24 h SC or IM - maintain hydration; albino guinea pig especially susceptible to nephro- and ototoxicity
Trimethoprim + Sulfadiazine	30 mg/kg bid

RABBITS: (4th edition Harkness & Wagner)

Ampicillin	6 mg/kg ml q 8 h SC for 5 days

Enrofloxacin (Baytril)	5-10 mg/kg body weight q 24 h for 5 days, IM or PO
Gentamicin	2 mg/kg bid, IM or IV
Metronidazole (Flagyl)	35-50 mg/kg/d PO (divided bid)
Trimethoprim + Sulfadiazine	0.2 ml/kg SC of 240 mg/ml solution, or 0.5 ml/kg sid PO of oral suspension

NON-HUMAN PRIMATES - (Formulary for Laboratory Animals - Hawk & Leary)

Amoxicillin	11 mg/kg bid PO or 11 mg/kg sid SC or IM
Enrofloxacin (Baytril)	5 mg/kg body weight q 24 h for 5 days, IM or PO
Gentamicin	2 mg/kg bid, IM or IV
Metronidazole (Flagyl)	35-50 mg/kg/d PO (divided bid)
Trimethoprim + Sulfadiazine	0.2 ml/kg SC of 240 mg/ml solution, or 0.5 ml/kg sid PO of oral suspension

DOG: (Current Veterinary Therapy - Kirk XIII)

Amoxicillin	10-20 mg/kg q 8-12 h IM, SC, PO
Cephalothin sodium (Keflin)	10-30 mg/kg q 4-8 h IV, IM
Cephalexin (Keflex)	10-30 mg/kg q 6-12 h PO
Clindamycin (Antirobe)	11 mg/kg q 12 h PO or 22 mg/kg q 24 h PO
Enrofloxacin (Baytril)	2.5-5 mg/kg q 12 h PO, IM or 5 mg/kg q 24 h PO, IM
Erythromycin	10-20 mg/kg q 8-12 h PO
Gentamicin	2-4 mg/kg q 6-8 h IV, IM, or SC or 6 mg/kg q 24 h
Penicillin G, procaine	20,000-40,000 u/kg q 12-24 h IM
Trimethoprim and sulfadiazine (Tribrissen)	15 mg/kg q 12 h IM, PO or 30 mg/kg q 12-24 h PO

CAT: (Kirk XIII)

Amoxicillin	10-20 mg/kg q 8-12 h IM, SC, PO
Cephalothin sodium	10-30 mg/kg q 4-8 h IV, IM
Cefadroxil (Cefa-Drops, Cefa-Tabs)	2
Clindamycin (Antirobe)	5.5 mg/kg q 12 h or 11 mg/kg q 24 h PO
Enrofloxacin (Baytril)	2.5-5 mg/kg q 12 h PO, IM or 5 mg/kg q 24 h PO, IM
Gentamicin	3 mg/kg q 8h IV; q 6 h IM, SC
Penicillin G, procaine	20,000-40,000 U/kg q 12-24 h IM
Trimethoprim + sulfadiazine (Tribrissen)	15 mg/kg q 12 h IM, PO or 30 mg/kg q 12-24 h PO

SWINE: (Current Veterinary Therapy 4 - Food Animal Practice - Howard)

Ampicillin	4-10 mg/kg IM or IV
Enrofloxacin	2.5 mg/kg q 24 h IM*
Erythromycin (Erythro-100-200)	2-5 mg/kg IM, SC
Oxytetracycline	6-11 mg/kg IV or IM 10-20 mg/kg q 6 h PO
Penicillin	
Pen G, procaine	40,000 units/kg q 24 h IM
Pen G + Pen benzathine	40,000 units/kg once
Tribrissen	30 mg/kg daily orally
Tylosin (Tylan)	2-4 mg/kg IM

*Leman - Diseases of Swine