



University of Maryland College Park Animal Care and Use Policy

Medications for Laboratory Animals

Administration of ANY treatments must be done in consultation with a veterinarian. All medications delivered in food or water MUST be clearly identified with the treatment that is being administered. All drugs used in animals must be in date. To accomplish this, periodic inspections of stocks must be conducted. Inspections must include disinfectants, fluids, diagnostic strips, and blood tubes.

Rodents

Ampicillin for controlling *Cornybacterium* infections in nude mice, Polyflex (25 gm bottle reconstituted with 53 ml of sterile autoclave water to produce a 416 mg/ml). Add 4 mls to 2 L of autoclaved drinking water for a dose of 133 mg/kg.

Ampicillin (250 mg/5 ml oral); add 1.5 – 6 ml to 250 ml drinking water to deliver a dose of 40-200 mg/kg.

Clavamox (Amoxicillin with clavulanic acid; 50 mg amoxicillin and 12 mg clavulonic /5ml suspension); add 1.5 ml to 250 mls drinking water to deliver a dose of 40 mg/kg.

Baytril (Enrofloxacin oral, 22.7 mg/tab) crush 2.5 tabs and add to 250 mls drinking water to deliver a dose of 85 mg/kg. Injectable (2.27%) 5 mg/kg SC or IM every 24 hours.

Cephalexin (250 mg/ml oral) add 4 mls to 250 mls drinking water to deliver a dosage of 120 mg/kg.

Albon (12.5% sulfadimethoxine) add 4 mls to 250 mls drinking water to deliver a dose of 60 mg/kg

Tetracycline (250 mg capsule), add one capsule to 250 ml drinking water to deliver a dose of 40 mg/kg.

Trimethoprim and Sulfamethoxazole (Bactrim, Septra, 480 mg/ml suspension) add 1-3.5 ml to 250 mls drinking water for a dose of 30 – 120 mg/kg. Protect from light.

Trimethoprim and Sulfamethoxazole, Intermittent Dose (for treatment of *P. carinii*)-3.5 ml Septra (480 mg/ml suspension) in 250 ml water. Treat every other week. Protect from light.

DermCap Liquid – 0.1 ml per mouse in the cage placed on an absorbent treat.

Diphenhydramine – (12.5 mg/5 ml) add 2.5 mls to 250 mls drinking water to deliver a dose of 4 mg/kg.

Ferrets

Amikacin (50 mg/ml) add 0.3 ml to 5 ml normal saline for a dose of 15 mg/kg SC SID;
(250 mg/ml) add 0.05 ml to 5 ml normal saline for a dose of 12.5 mg/kg SC SID; dilute because product stings

Clavamox (Amoxicillin with clavulanic acid; 50 mg amoxicillin and 12 mg clavulonic /5ml suspension); 12.5 mg/kg SC every 12 hours.

Baytril (Enrofloxacin injectable, 2.27%) 11 mg/kg PO, SC or IM every 24 hours.

Cefazolin (200 mg/ml) 1 gm bottle reconstituted with 4.2 mls water for injection. 25 mg/kg SC or IM every 12 hours.

Trimethoprim and Sulfamethoxazole (Bactrim, Septra, 48 mg/ml suspension) 15 – 30 mg/kg PO every 24 hours.

Bats

Baytril (Enrofloxacin injectable, 2.27%) 0.9 mg, 0.04 ml PO, SC or IM every 24 hours.

Trimethoprim and Sulfamethoxazole (Bactrim, Septra, 48 mg/ml suspension) 0.15 ml, 7.2 mg PO every 24 hours.

Birds

Cephalexin 35-50 mg/kg PO every 6 to 8 hours

Baytril (Enrofloxacin injectable, 2.27%) 20 mg/kg, PO, SC or IM every 12 hours

Kanamycin (50 mg/ml) 10-20 mg/kg IM every 12 hours

Trimethoprim and Sulfamethoxazole (Bactrim, Septra, 48 mg/ml suspension) 0.1 ml/30 gm, PO every 24 hours.