

Commonly Used Therapeutic Drugs in Rodents

Common Medical Conditions	Treatment
Dermatitis, bite wounds	Clip hair and clean with 0.2% chlorhexidine solution or betadine solution
	Triple antibiotic ointment, ophthalmic preparation if lesion near eyes
	Silvadene cream
	Collasate Spray or Ointment
	Zn7 Derm Spray or Ointment
	NSAID (see CMDC 229 for recommended dosages)
Eye infections	Triple antibiotic ophthalmic ointment
Systemic infections	Enrofloxacin (10 mg/kg SQ)

Note 1: After notification of a rodent health concern as described above, the facility manager or designee should initiate treatment according to the table. The health concern should be noted on the "Animal Health Concern Form" (CMDC 155) for follow-up by a veterinarian.

Note 2: Initiation of the treatment should be annotated on the "Progress Notes Form" (CMDC 013) in the room log book according to **SOP 006: Animal Health and Environmental Surveillance.**

Note 3: All treatments are BID for 7 days.

Note 4: Systemic antibiotics should only be administered after consultation with a Veterinarian unless described in the IACUC protocol

Baytril (enrofloxacin) Dilution Preparation for Mice

Use Sterile Technique!

1. Always decontaminate the Baytril vial, NaCl bag port, and NaCl vials with ethanol before inserting a sterile needle, withdrawing compound, or injecting drug.
2. To prepare the mixture:
 - a. If using Baytril (enrofloxacin) 2.27% (22.7mg/ml) stock solution
 - 1) To make a 10ml Vial
 - i. Use prepackaged 10ml sterile 0.9% NaCl preservative free vial
 - ii. Remove 0.45 ml NaCl from Vial
 - iii. Add 0.45 ml Baytril (22.7mg/ml) stock solution
 - iv. Final concentration of new dilution is 1.0 mg/ml
 - b. If using Baytril (enrofloxacin) 100mg/ml stock solution
 - 1) To make a 10ml vial
 - i. Use prepackages 10ml sterile 0.9% NaCl preservative free vial
 - ii. Remove 0.1ml NaCl from vial
 - iii. Add 0.1ml Baytril (100mg/ml) stock solution

Carprofen Dilution Preparation for Rats

Use Sterile Technique!

1. Always decontaminate the Carprofen vial stopper, sterile 0.9% NaCl vials, and 0.9% NaCl Bags with ethanol **before** inserting a sterile needle.
2. To prepare the mixture:
Using a 10ml vial of NaCl
 - a. Remove 1.0 ml NaCl from 10ml vial
 - b. Add 1.0 ml Carprofen (50mg/ml stock solution) to yield 5 mg/ml
3. Label the **bag / vial** as follows:
 - a. name of the drug (Carprofen/saline solution)
 - b. strength of the drug (5.0 mg Carprofen/ml)
 - c. date of constitution
 - d. initials of constituting technician
 - e. dose of the drug for **rats** (5 mg/kg BW, SQ)
 - f. Carprofen injection volumes for **rats** (body weight [BW]) SC:
 - 1) 250 gm BW = 0.25 ml
 - 2) 275 gm BW = 0.27 ml
 - 3) 300 gm BW = 0.30 ml
 - 4) 325 gm BW = 0.32 ml
 - 5) 350 gm BW = 0.35 ml
 - 6) 375 gm BW = 0.37 ml
 - 7) 400 gm BW = 0.40 ml
 - 8) 425 gm BW = 0.42 ml
 - 9) 450 gm BW = 0.45 ml
 - 10) 475 gm BW = 0.47 ml
 - 11) 500 gm BW = 0.50 ml
 - g. "Decontaminate bag port with ethanol **prior to each withdrawal.**"
 - h. "Keep refrigerated."
 - i. "Discard bag and contents on ____ (date 28 days after constitution), or if solution changes in appearance, e.g. discoloration, precipitation, opacity."
4. Expiration date: 28 days after constitution

Meloxicam Dilution Preparation for Mice

Use Sterile Technique!

4. Always decontaminate the meloxicam vial stopper, sterile 0.9% NaCl vials, and 0.9% NaCl Bags with ethanol **before** inserting a sterile needle.
5. To prepare the mixture:
Using a 10ml vial of NaCl
 - a. Remove 1.0 ml NaCl from 10ml vial
 - b. Add 1.0 ml meloxicam (5 mg/ml stock solution) to yield 0.5 mg/ml
6. Label the **bag / vial** as follows:
 - a. name of the drug (meloxicam/saline solution)
 - b. strength of the drug (0.5mg meloxicam/ml)
 - c. date of constitution
 - d. initials of constituting technician
 - e. dose of the drug for **mice** (5 -10 mg/kg BW, SQ)
 - f. Meloxicam injection volumes for **mice** (body weight [BW]) SC:

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Ketamine/Xylazine Dilution Preparation for Mice

Use Sterile Technique!

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