

## 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, 2(m)- m2.605.601 13.801 ntment,otieptia1(,)14(ol)6



## **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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