# Using Meloxicam and Meloxicam ER in Mice and Rats

<table>
<thead>
<tr>
<th>Meloxicam</th>
<th>Meloxicam Extended Release (Meloxicam-ER)</th>
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</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Meloxicam Image" /></td>
<td><img src="image2.png" alt="Meloxicam-ER Image" /></td>
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<tr>
<td><strong>Dilution:</strong> 4/11/2022</td>
<td><strong>Date of puncture:</strong> 4/11/2022</td>
</tr>
<tr>
<td><strong>Expiration:</strong> 10/11/2022</td>
<td><strong>6-month expiration:</strong> 10/11/22</td>
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* Vial must be labeled with name of drug and initials of dilution preparer

### Mice
- **5 mg/kg SQ**, twice a day as reasonably as possible to 12 hours apart
- **2-4 mg/kg SQ**, every 24 hr

### Rats
- **1-2 mg/kg SQ**, every 24 hr
- **2-4 mg/kg SQ**, every 72 hr

**Dangerous substance**
- Requires administration every 12 hours in mice, every 24 hours in rats.
- Does not require prescription from DAR veterinarian
- Requires prescription provided by DAR veterinarian
- Must not be diluted

**Use sterile septum top vials to prepare dilution (example):**
- EP Scientific Depyrogenated Vials, Sterile, Thermo Scientific

**Diluent type:** bacteriostatic saline or bacteriostatic water (if bacteriostatic diluent is not available, please see exemption: [Bacteriostatic Saline Exemption](#))

**Storage:** Double locked safe box

**Disposal:** EHSO

**Required Logs to be completed:** Office of Research Integrity [Form C](#)

**Applicable IACUC Policies:**
- Injectable Agents;
- Anesthesia and Analgesia

**Additional Resources:**
- [Office of Research Integrity and Compliance FAQs](#)
Note from ZooPharm regarding the name change from Meloxicam SR to Meloxicam ER

Important update

In order to remain compliant with the most current regulatory guidelines, we are updating the labeling on our SR formulations from Buprenorphine and Meloxicam SR to Buprenorphine and Meloxicam ER. The extended release formulations are designed to release the medications for up to 72 hours post a single subcutaneous injection.

Rest assured, there are no changes to the formulations, the only change is to the name on the label. The label change will take effect on July 1, 2022.

We know that any change, no matter how small, can be difficult. If you have any questions, please call our Customer Service Team at (866) 823-9314.