# Using Buprenorphine HCl and Buprenorphine ER in Mice and Rats

<table>
<thead>
<tr>
<th>Buprenorphine HCl (Bup-HCl)</th>
<th>Buprenorphine Sustained Release (Bup-ER)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Buprenorphine HCl" /> + <img src="image" alt="Buprenorphine ER" /></td>
<td><img src="image" alt="Dilution: 4/11/2022" /> Date of puncture</td>
</tr>
<tr>
<td><img src="image" alt="Expiration 10/11/2022" /></td>
<td>Date of puncture: 4/11/22 Expiration date is 6 months later after puncture -unless the expiration date on the bottle is earlier than 6-mo after first puncture</td>
</tr>
</tbody>
</table>

* Vial must be labeled with name of drug and initials of dilution preparer

<table>
<thead>
<tr>
<th>Mice 0.05-0.1 mg/kg SQ, every 8-12 h</th>
<th>Mice 0.5-1.0 mg/kg SQ, every 72 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rats 0.01-0.05 mg/kg SQ, every 8-12 h</td>
<td>Rats 1-1.2 mg/kg SQ, every 72 h</td>
</tr>
</tbody>
</table>

- **Controlled substance schedule III**
- Requires administration every 8-12 hours.
- Does not require prescription from DAR veterinarian
- Use sterile septum top vials to prepare dilution (example): EP Scientific Depyrogenated Vials, Sterile, Thermo Scientific
- Dilution should be done inside the biosafety cabinet (BSC)
- Diluent type: bacteriostatic saline or bacteriostatic water
- Storage: Per DEA Schedule III controlled substances shall be stored in a securely locked, substantially constructed cabinet. For example, store drug in a lockbox inside a locked container such as a secured desk, cabinet, or refrigerator
- Disposal: Reverse distributor

- **Controlled substance schedule III**
- Requires administration every 72 hours.
- Requires prescription provided by DAR veterinarian
- Must not be diluted
- N/A
- Disposal: Contact the Office of Research Integrity and Compliance at oric@emory.edu

- Required Logs to be completed: Office of Research Integrity
- 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 Buprenorphine SR to Buprenorphine ER

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.