Note to Surgeons: this is an example for completing the Survival Surgery Lab Log and it can vary according to what is approved in the IACUC protocol

Appendix 2: Example Survival Surgery Lab Log Record

Note: Affix the cage card log to this document after removing the cage card log from the cage

Principal Investigator: Jane Labmember  Date: 8-8-2023
Surgeon: John Labmember II  IACUC Protocol #: 123456789
Species/Strain: Mouse
Animal ID Number(s): 1,2,3,4,5,6
Body weight(s): 20g (one mouse); 20g, 22g, 23g, 23g, 22g, 20g (six mice)
Surgical Procedure Description: insertion of osmotic minipumps

ANESTHETIC DRUG(S) ADMINISTERED

Drug/Dose(mg/kg)  Time given

Isoflurane Induction %  Induction
Isoflurane Maintenance %  maintenance

ANALGESICS DRUG(S) ADMINISTERED

Drug/Dose(mg/kg)  Time given

Meloxicam 5mg/kg  Pre-op (at the start of each surgery)
Bupivacaine 4mg/kg  Post-op (at the end of each surgery)

SURGERY NOTES AND OBSERVATIONS

Time Surgery Started: 9:00AM  Time Surgery Ended: 2:00PM
Intra-operative monitoring Performed (Y/N): Y  Comments on monitoring: all normal

Did you complete the didactic training?
Did you complete the surgical assessment?

- Did you check the label for 51 punctures or 180 days expiration date?
- Analgesic is usually given before or at the beginning of the surgery, BUT you need to check your protocol

- Did you check the label for single-use, preservative-free?
- Local anesthetics like Bupivacaine can be given at the beginning, during or at the end (most often used)
- Check protocol

• The best practice is to weigh and record the charcoal canister before and after use. (The IACUC Policy says to weigh before or after).
• Do not use if it has reached the manufacturer weight
Note to Surgeons: this is an example for completing the Survival Surgery Lab Log and it can vary according to what is approved in the IACUC protocol

SURGICAL NOTES: (If there were any complications, note them in this section)

Some examples:
- surgical complications,
- animal death,
- animal needed to be euthanized,
- send to necropsy,
- supportive care such as SQ fluids, soft chow,

All surgeries went well

Surgical Recovery Monitoring

(To be done at least every 15 minutes until the animals are awake and ambulatory):

<table>
<thead>
<tr>
<th>Time</th>
<th>15'</th>
<th>30'</th>
<th>45'</th>
<th>60'</th>
<th>75'</th>
<th>90'</th>
<th>105'</th>
<th>120'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initials</td>
<td>JL</td>
<td>JL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>sleep</td>
<td>recovered</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Suggestion: If monitoring more than one animal, indicate for example 1 of 3 - Awake

Notes on recovery (optional)