

Surgical Record for _____

Surgeon:	Procedure Protocol:	Date:
Pre-operative weight	g Implanted Devices Weight	g

Drug Administration

Pre-op Drug	Usage	Amt	Time	Post-op Drug	Usage	Amt	Time
Lidocaine 2%	Max 10 mg/kg at incision SC 20 mg/ml			Lidocaine 2%!	JELLY		
Buprenorphine OR XRSR	0.03 mg/kg SC			Meloxicam	2 mg/kg SC 5 mg/ml		
Ethiqa-XR-Lab	Cheek bottle (shoulders)						
Fluids	Dosage		Amt	Time(s) Administered			
Lactated Ringers	1 ml per 100 g/hr under anesthesia during Sx						

Anesthesia & Physiological Monitoring

Induction Time:	Iso Removal:	Righting Reflex:
Time		
Breaths/min		
Paw pinch (+/-) + Response - No Response		
Isoflurane % in O2		
Temperature (°C)		

Procedure relevant experimental notes

Craniotomy site(s)				
Target (e.g., dorsal HPC, vHC)	AP	ML	DV	Purpose (e.g., virus injection, electrodes, cranial window, etc.)

Notes:

Post-operative care

Buprenorphine Dosing: **Dose 1:** Surgery onset. Day 0. **Dose 2:** 6-8 hours after dose 1 or end of surgery day. Day 0. **Dose 3:** 8-12 hours after dose 2. Day 1. **Dose 4:** Lower concentration, 0.02 mg/kg. Day 2.

Ethiqa XR OR Buprenorphine SR LAB Dosing: Only dose at the onset of surgery.

Meloxicam Dosing: **Dose 1:** End of surgery before righting reflex recovery. Day 0. **Dose 2:** 18-24 hours after dose 1, given with buprenorphine. Day 1. **Dose 3:** 18-24 hours after dose 2. Day 2.

BP = BUPRENORPHINE; MX = MELOXICAM; LR = Lactated Ringer

Below, note rat status during post operative recovery. Measures can include overall grooming, signs of pain/distress, mobility, nesting behavior, eating/drinking, rearing, signs of bleeding/infection. **BAR = Bright, alert, responsive. QAR = Quiet, alert, responsive**

Animal euthanasia date & reason

I certify that I have followed the protocol that has been approved by the IACUC and taken every step in minimizing pain and distress and upheld the highest standards of animal husbandry and welfare that I am capable/know of.

Signature