



User Guidance

Cage Level Rodent Survival Surgery/ Post-Operative Monitoring Cards

University Laboratory Animal Resources
400 W Twelfth Avenue, Columbus, OH 43210

Rodent Survival Surgery/Post-operative (post-op) Monitoring Cards are required to be used for any rodents housed in a ULAR space that undergoes survival surgery. Cards are for documenting all analgesic provisions and post-op monitoring associated with the survival surgery. Cards should be maintained at the cage level until the end of the post-op monitoring period as outlined in the associated IACUC protocol and until the removal of any skin sutures or wound clips (if applicable). If all animals within the cage undergo the same procedure, a single surgery / post-operative card can be used to document observations/analgesics for the entire cage. After the post-op period, cards should be saved by laboratory staff for a minimum of 6 months. These cards will be requested for review during semi-annual IACUC inspections. Below are examples of how to fill out the cards based on the analgesic being provided or if unexpected post-op findings are discovered. To set up additional training on how to use these cards, please contact our trainers at ULARtraining@osu.edu.

Standard Buprenorphine

Buprenorphine **MUST** be given at least every 4-8 hours for mice and every 6-8 hours for rats to ensure adequate analgesic coverage.

SURGERY/POST-OP RECORD	Date/Procedure/Surgeon: <u>3-19-2022 / IC inj. / HS</u>							
	Analgesia: <u>buprenorphine</u>							
	Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized							
	Date	3/19	3/19	3/20	3/20	3/20	3/20	3/21
	Time	2:00p	8:00p	2:00a	8:00a	2:00p	8:00p	2:00a
	Initials	HS	HS	HS	HS	HS	HS	HS
Analgesia Given	B	B	B	B	B	B	B	
Score	1	1	1	1	1	1	1	

SURGERY/POST-OP RECORD	*Continued							
	Date/Procedure/Surgeon: <u>3-19-2022 / IC inj. / HS</u>							
	Analgesia: <u>buprenorphine</u>							
	Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized							
	Date	3/21	3/22	3/23	3/24			
	Time	8:00a	8:00a	8:00a	8:00a			
Initials	HS	HS	HS	HS				
Analgesia Given	B	-	-	-				
Score	1	1	1	1				

NSAID Water

NSAID water such as ibuprofen (Motrin) or carprofen water must be started at least 24 hours prior to surgery. This ensures that adequate analgesic levels are reached by the surgery day. The date the medicated water is started should be included on the surgery card and noted daily in the "Analgesia Given" row, as long as the bottle is present. Not including it indicates that the water has been removed.

Note: To have water bottles available in the animal room, a request must be made to the laboratory animal technician for your room 72 business hours in advance. Additionally, Motrin water bottles must be changed twice a week and carprofen once a week. Dates that water is changed can be documented directly on the surgery/post-op card.

SURGERY/POST-OP RECORD	Date/Procedure/Surgeon: <u>5-21-2021 / OVX / KL</u>								
	Analgesia: <u>Motrin, BupSR</u>								
	Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized								
	Date	5/20	5/21	5/21	5/22	5/23	5/24	5/25	5/26
	Time	7:30a	8:00a	4:00p	10:00a	10:00a	10:30a	2:00p	1p
	Initials	KL	ULAR	KL	KL	KL	KL	KL	KL
Analgesia Given	M	M, BupSR	M	M*	M	M	-	-	
Score		1	1	1	1	1	1	1	

*Motrin water changed

Protocol Approved for Withholding Analgesia

Survival Surgery/Post-Op cards still need to be maintained at the cage level when analgesia is not provided based upon the approved IACUC protocol to document the surgery conducted and post op monitoring.

SURGERY/POST-OP RECORD

Date/Procedure/Surgeon: 10-1-2021 / SC injury / DM
 Analgesia: none
 Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized

Date	10/1	10/1	10/2	10/3	10/4	10/5	10/6
Time	9:00a	4:00p	8:00a	9:30a	8:00a	8:00a	9:00a
Initials	DM	DM	DM	DM	DM	DM	DM
Analgesia Given							
Score	1	1	1	1	1	1	1

Post-Operative Findings

If research staff notice an abnormal mouse, it should be documented as a “2” in the scoring row. Additionally, a note on the back of the card should be written stating the condition of the mouse and course of action taken. Unless euthanized, the course of action should include contacting ULAR vet staff.

SURGERY/POST-OP RECORD

Date/Procedure/Surgeon: 1-13-2022 / TAC / BB
 Analgesia: buprenorphine, bupSR
 Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized

Date	1/13	1/13	1/14	1/15	1/16		
Time	9:45a	1:30p	10:00a	10:00a	11:00a		
Initials	BB	ULAR	BB	BB	BB		
Analgesia Given	B	BupSR	-	-	-		
Score	1	2	1	1	1		

1/13/22: All 3 mice quiet, slow recovery. Contacted ULAR vet staff.

If post-op monitoring includes multiple animals with different post-operative scores – indicate a score of “2/1” to show the rest of the cohort is within normal limits. An additional note to this effect can be included on the back. If post-op monitoring includes multiple animals and one is found dead or is euthanized, indicate a score of “3/1” and leave a note on the back of the card.

SURGERY/POST-OP RECORD

Date/Procedure/Surgeon: 2-22-2022 / OVX / KM
 Analgesia: bupSR, Motrin
 Score: 1= normal mouse & incision, 2= abnormal mouse and/or incision, details on back, 3= euthanized

Date	9/20	9/20	9/21	9/21	9/23	9/24	9/25
Time	7:30a	3:30p	9:00a	10:15a	9:00a	8:00a	8:30a
Initials	ULAR	CH	CH	CH	CH	CH	CH
Analgesia Given	BupSR	-	-	-	-	-	-
Score	1	1	2/1	3/1	1	1	1

9/21 9:00am: #4820 surgical site dehiscd

9/21 10:15am: #4820 euthanized