

## Appendix D: Surgery

IACUC Protocol # \_\_\_\_\_

1. Describe surgery in detail.

*Examples include: nonsurvival surgery: animals euthanized without regaining consciousness; minor survival surgery; major survival surgery: penetration of a major body cavity, or surgical alteration that results in substantial physical or physiological impairment; and multiple major survival surgeries. (must provide scientific justification)*

Animal Species \_\_\_\_\_ Name of Surgeon \_\_\_\_\_

2. Relevant experience with the animal model and procedures being used for each individual performing the surgical procedure.

3. Will an animal undergo more than one major survival surgery procedure? (defined as penetrating a body cavity or having the potential for producing a permanent handicap for an animal expected to recover)

\_\_\_\_No      \_\_\_\_Yes      If yes, provide an appropriate scientific justification. Multiple survival procedures on the same animal are not permitted, unless the procedures are essential components of the same project.

4. .Location – Where will the surgery be performed?

5. Monitoring and Supportive Care – Describe both preoperative and intraoperative monitoring and care

6. Anesthesia/ Analgesia/ Tranquilizers – Describe in the boxes below the agents that will be used in surgical procedures and other procedures.

Agent	Dose (mg/kg)	Route	Frequency

8. Which of the following criteria to assess level of anesthesia will be used.

- Respiration Rate
- Heart Rate
- ECG
- Toe Pinch
- Color of Mucus Membranes
- Muscular Relaxation
- Corneal Reflex
- Tail Pinch

### Post Surgery Procedures and Monitoring:

9. Anesthesia Recovery Monitoring. Provide monitoring schedule and details.

Agent	Dose (mg/kg)	Route	Frequency

10. Postsurgical Recovery Monitoring. Provide monitoring schedule and details. Identify the criteria to be used to assess pain/stress/discomfort. *Examples include: loss of appetite; red stain around the eyes of rats; loss of weight; unresponsiveness; restlessness; self-mutilation; licking, biting, scratching, or shaking a particular area; failure to show normal patterns of inquisitiveness; loss of mobility; failure to groom causing an unkempt appearance; guarding (protecting the painful area; labored breathing; and abnormal resting postures in which the animal appears to be sleeping or is hunched up*