

## Standard Operating Procedure

SOP Number: **02-18-5440**

Service: **Research**

Operating Section: **Surgery**

Unit: **CMF**

Title: **Guidelines for Survival Rodent Surgery**

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### Purpose:

To describe guidelines for all surgical procedures performed on rodents in which the animals are expected to recover from anesthesia.

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### Procedure:

- 1) Pre-Operative:
  - a) Surgery should be conducted in a disinfected, uncluttered area which promotes asepsis during surgery.
  - b) Prepare the animal by removing hair from the surgical site. Perform this procedure in an area separate from where the surgery is to be conducted.
  - c) Prepare the surgical site(s) with an appropriate skin disinfectant.
  - d) Surgeons should wash and dry their hands before aseptically donning sterile surgical gloves.
  
- 2) Operative:
  - a) The animal must be maintained in a surgical plane of anesthesia throughout the procedure.
  - b) Begin surgery with sterile instruments and handle them aseptically.
  - c) Instruments and gloves may be used for a series of similar surgeries provided they are maintained clean and disinfected between animals.
  - d) Monitor and/or maintain the animal's vital signs.
  - e) Close surgical wounds using appropriate techniques and materials.
  
- 3) Post-Operative:
  - a) Move the animal to a warm, dry area and monitor it during recovery. Return the animal to its routine housing only after it has fully recovered from anesthesia.
  - b) Provide analgesics as appropriate.
  - c) Remove skin closures 10 to 14 days post-operatively.
  - d) Maintain a surgical record and write the type of procedure and date on the cage card.

<b>Responsible Official Signature</b>		<b>Date</b>	
<b>QA Signature</b>		<b>Date</b>	
<b>Version</b> #2	<b>Effective Date</b>	<b>Supersedes</b> #1	<b>Original Date</b> 06/07/04