

STANDARD OPERATING PROCEDURE #207
RODENT CASTRATION

- 4.8.6. The fat surrounding the vas deferens and spermatic blood vessels may be gently removed using dry sterile gauze to facilitate cauterization.
- 4.8.7. Cauterize the vas deferens and spermatic blood vessels. Place removed testes aside. Check for bleeding.
- 4.8.8. Use sterile cotton-tipped swabs to gently return any remaining tissues into the scrotum.
- 4.8.9. Repeat with the other testes.
- 4.8.10. Apply topical local analgesic to the incision.
- 4.8.11. Hold the edges of the incision together with forceps and use one drop of tissue glue to close the skin. Alternatively, suture the incision.
- 4.9. Disinfect the instruments between each animal by dipping them in a hot glass bead sterilizer for approximately 30 seconds after removing any blood and debris (let cool completely).
- 4.10. Allow animals to recover in a clean cage. Provide supplemental heat (use a heating disc or pad, heating lamp or incubator) for approximately 30 minutes and monitor the animals until they have fully recovered prior to returning them to their housing room.
- 4.11. Administer analgesics post-operatively as per Rodent Analgesia SOP.

SOP REVISION HISTORY

DATE	NEW VERSION
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Investigator:	Protocol:
Procedure: Castration	Performed by:

Instructions: complete this log for rodent procedures requiring anesthesia, analgesia or post-procedure care (ex. surgeries, experimental infection). Keep the log in the housing room while active and in your files for 3 years for future review by the Quality Assistant and/or the FACC.

ANALGESIA

- carprofen: mouse: 20mg/kg, rat: 5-10 mg/kg, SC, every 24 hrs
- buprenorphine: mouse: 0.1mg/kg SC or IP every 4-8 hrs;
rat: 0.05mg/kg, SC or IP, every 8-12 hrs

ANESTHESIA

- isoflurane 2-2.5%
- ketamine/xylazine/acepromazine*:
mouse: 100 mg/kg (K)- 10 mg/kg (X)- 3 mg/kg (A) IP
rat: 50 mg/kg (K)- 5 mg/kg (X)- 1 mg/kg (A); IP or IM

OTHER AGENTS ADMINISTERED

- _____
- _____

ANALGESIA

- carprofen: mouse: 20mg/kg, rat: 5-10 mg/kg, SC, every 24 hrs
- buprenorphine: mouse: 0.1mg/kg SC or IP every 4-8 hrs; rat: 0.05mg/kg, SC or IP, every 8-12 hrs
- OTHER _____

Initial the appropriate boxes when completed

Animal ID	Date	Analgesia			SC fluids			Wet food			Time			Remove Sutures (Day 7-10)
		Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	Day 1	Day 2	Day 3	
1														
2														
3														
4														
5														
6														
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10														
11														
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14														