



## Castration/Uni-Castration

### Surgery Code: CASTRATE/UNICASTRATE

The castration procedure is of benefit to preclinical or research studies involving behavior, prostatic hyperplasia or cancer. Surgical options include the excision of a single testis (unicastration) or both testicles (castration).

#### Animal Models

Typical selections are listed below; however, choices for strain, age and weight may be limited due to model anatomy and/or physiological conditions.

- Rats: male, any strain, age  $\geq$  21 days old
- Mice: male, any strain, age  $\geq$  21 days old

#### Procedure Details

- **Perioperative care:** Please view our Pre- and Postoperative Care Sheet, which can be found at [www.criver.com/opcare](http://www.criver.com/opcare).
- **Housing:** The animals may be group housed.
- **Diet:** No special diet is required.
- **Postoperative holding period:** At a minimum, post-op animals are held overnight, with the majority of animals shipping within 7 days of surgery.
- **Maintenance:** Incision wound clips should be removed 7-10 days after surgery.

#### Surgical Summary

A midline ventral skin incision is made in the scrotum. In the uni-castrate procedure, a single testis is removed from the tunica. The testis, vas deferens, fatty tissue and

attached epidermis are gently pulled out from the incision. The blood vessels supplying the testis are cauterized and the testis (and associated tissues) is removed by severing below the cauterization. If complete castration is requested, the procedure is repeated on the opposite side. The skin incision is closed with wound clips.

#### IACUC

The Charles River Institutional Animal Care and Use Committee (IACUC) governs the entire surgical process, including all anesthesia, analgesia, animal preparation and any postoperative holding in Charles River facilities prior to shipment. Review of experimental protocols, authorization to order animals that are surgically modified from Charles River, and all aspects concerning the use of the animals after they arrive at the institution are the responsibility of the receiving institution's IACUC.

#### Contact Us

For more information, visit [www.criver.com/surgery](http://www.criver.com/surgery). For specific surgery-related questions, please contact our technical experts at 1.877.CRIVER.1 (1.877.274.8371) or [askcharlesriver@crl.com](mailto:askcharlesriver@crl.com). To place an order or get a quote, contact our Customer Service Department at 1.800.LABRATS (1.800.522.7287).