



## Adrenalectomy

Surgery Code: ADREX

The adrenalectomy is of benefit to preclinical or research studies involving steroidal hormone metabolism and obesity.

### 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/female, any strain, age  $\geq$  21 days old
- Mice: male/female, 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 can be group housed.
- **Diet:** These animals require post-surgery supplementation of sodium to maintain health. Charles River provides a 0.9% saline solution as drinking water. A 1% sodium diet may be used in lieu of saline water.
- **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 incision is made and the abdominal cavity is entered through the abdominal wall, lateral to the dorsal incision. The adrenal gland with the attached fat pad is individually pulled out of the abdominal cavity. The adrenal gland is dissected and the fat pad returned to the abdominal cavity. The process 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).