



## Adrenal Demedulation

Surgery Code: ADREXDEMED

The adrenal demedulation is of benefit to preclinical or research studies involving the sympathetic or parasympathetic nervous system, epinephrine or norepinephrine.

### 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, weight  $\geq$  35 g
- Mice: male/female, any strain, weight  $\geq$  35 g

### 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:** 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

The abdominal cavity is entered through a midline skin incision. The adrenal gland with the attached fat pad is individually pulled out of the abdominal cavity. A small

incision on adrenal capsule is made, and the medulla is carefully extracted using steady pressure. The capsule and remaining fat pad are returned to the abdominal cavity, and the process is repeated on the opposite side. The skin incision is then closed with wound clips or per request.

### 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).