



Nephrectomy

Surgery Code: NEPHREX

The nephrectomy is of benefit to preclinical or research studies involving hypertension or renal impairment.

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.
- **Housing:** The animals may be group housed.
- **Diet:** No special diet is required.
- **Postoperative holding period:** At a minimum, post-op animals are held 2 days, 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 dorsal incision is made parallel to the midline. The skin is retracted and the abdominal cavity is entered via a blunt puncture through the abdominal wall. The kidney is freed from the surrounding tissue and is gently pulled

out from the incision. The adrenal gland is gently freed and is replaced into the abdominal cavity. The renal blood vessels and the ureter are cauterized and the kidney is then removed by transecting the vessels and ureter just distal to the cauterized section. The skin incision is closed with wound clips or alternative methods 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. For specific surgery-related questions, please contact our technical experts at 1.877.CRIVER.1 (1.877.274.8371) or askcharlesriver@crl.com. To place an order or get a quote, contact our Customer Service Department at 1.800.LABRATS (1.800.522.7287).