



## Ureter Ligation

Surgery Code: URETERLIG

The ureter ligation is of benefit to preclinical or research studies involving renal failure or drug metabolism with impaired renal function.

### 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  $\geq$  150 g
- Mice: male/female, any strain, weight  $\geq$  20 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 for 2 days with the majority of animals shipping within 7 days of surgery.
- **Maintenance:** Wound clips should be removed 7-10 days after surgery.

### Surgical Summary

A ventral midline incision into the abdomen is made to expose the animal's left kidney and ureter. The ureter is freed from the surrounding tissue below the hilus, and two

ligatures are placed to completely obstruct urine flow.

The abdominal muscle is closed with sutures, and the skin incision is 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 post-operative 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 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).