



## Duodenal Catheter

### Surgery Code: DUODCANN

The duodenal catheter is of benefit to preclinical or research studies as it allows for easy and/or repeated access to the duodenum for dosing, without the need for anesthesia. This surgery is designed principally for pharmacologic studies, but may also be used for basic physiology studies where dosing to the duodenum is necessary.

#### 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  $\geq$  200 g
- Mice: male/female, any strain, weight  $\geq$  20 g

#### Procedure Details

- Animals are fasted for a minimum of 4 hours prior to surgery.
- **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 must be singly 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. Any wound clip used to secure a catheter needs to be replaced every 7-10 days. Catheters should be maintained following the Charles River Handling Instructions, which can be found at [www.criver.com/handling](http://www.criver.com/handling).

#### Surgical Summary

The catheter is inserted into the duodenum, passed through the abdominal wall, tunneled subcutaneously to the dorsal incision, exteriorized in the scapular region and secured.

#### 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).