



Telemetry Pleural Pressure + Electrocardiograph

Surgery Code: TELEMPPECG

The telemetry pleural pressure plus electrocardiograph (ECG) model is of benefit to preclinical or research studies by recording unbiased physiological responses that transmit wirelessly, providing better data on the body's reactions to drugs/compounds.

Animal Models

Male and female rat models, typically ≥ 225 g; anatomy and/or physiological limitations may dictate choice of strain, age and weight.

Procedure Details

- **Perioperative care:** Please view our Pre- and Postoperative Care Sheet, which can be found at www.criver.com/opcare.
- **Housing:** The animals must be singly housed until suture/wound clips are removed.
- **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:** Wound clips should be removed 7-10 days after surgery.

Surgical Summary

The pressure sensor catheter is inserted between the serosa and muscularis layers, through the diaphragm, then advanced cranially into the thoracic cavity. The body of the device is then slipped into the abdominal cavity. The ECG

leads are passed through the abdominal wall and tunneled subcutaneously to the chest, then secured in place using monofilament suture. If the device has a suture tab, the tab is secured to the abdominal wall when closing the muscle with suture.

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).