



## Telemetry Electrocardiograph

Surgery Code: TELEMECG

The telemetry 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

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  $\geq$  19 g
- Guinea pig: male/female, any strain, weight  $\geq$  250 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 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 with carotid artery or femoral artery placement 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

#### Subcutaneous Approach

(Standard method)

A subcutaneous pocket is made through the ventral neck incision and the body of the transmitter is placed subcutaneously on the left side, between the thorax and abdomen. The ECG leads are tunneled subcutaneously to the chest, then lead tips are secured in place using monofilament suture.

#### Abdominal Approach

(per request)

The body of the transmitter is 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.

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## 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).