



## Telemetry Pulmonary Artery Pressure

### Surgery Code: TELEMPAP

The telemetry pulmonary artery pressure 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, most strains, 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 are held 7-10 days postoperatively to allow adequate wound healing before shipping.
- **Maintenance:** Incision wound clips should be removed 7-10 days after surgery.

#### Surgical Summary

Animal is placed in left lateral recumbency, a skin incision is made between the 6th and 7th intercostal space. Thoracic cavity is accessed through the 6th and 7th intercostal space by gently separating pectoral and

intercostal muscles. The device pressure sensor catheter is inserted into the myocardium, and advanced the catheter tip to the pulmonary artery and secured. The body of the transmitter is placed in the abdominal cavity. Pleural cavity is closed with suture. The skin incision is closed with wound clips or suture 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](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).