



## Femoral Artery Catheter

Surgery Code: FEMART

The femoral artery catheter is of benefit to preclinical or research studies as it allows for easy and/or repeated arterial access without the need for anesthesia. This surgery can be used for manual dosing and/or sampling, or as a means for long-term infusion and sample collection using automated equipment.

### Animal Models

Male and female rat models, typically > 175 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](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 overnight, 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

A catheter is inserted into the femoral artery and advanced into the abdominal aorta. A ligature is subsequently tied around the cannulated vessel to fix the catheter in place. The catheter is tunneled subcutaneously to the dorsal incision, exteriorized in the scapular region and secured using wound clip or alternative methods 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).