



Portal Caval Shunt (ECK Fistula)

Surgery Code: PORTCAVSHT

The portal caval shunt model is of benefit to preclinical or research studies involving hepatic metabolism of 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, CrI:CD(SD), weight 250-285 g

Procedure Details

- **Perioperative care:** Please view our Pre- and Postoperative Care Sheet, which can be found at www.criver.com/opcare.
- **Housing:** The animals can be group housed.
- **Diet:** No special diet is required.
- **Postoperative holding period:** At a minimum, post-op animals are held 3 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

A ventral midline incision into the abdomen is made. The portal vein is first ligated near the liver, then severed. A section of the vena cava is isolated and small incision is made. A small amount of adhesive is placed along the

border of the vena cava incision and the wall of the severed portal vein then carefully glued in position. The abdominal skin incision is closed with wound clips or 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 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).