charles river

SURGICAL SERVICES - NORTH AMERICA

Bile Duct Ligation

Surgery Code: BILEDUCTLIG

The bile duct ligation is an obstructive jaundice model resulting in cholestasis. It is of benefit to preclinical or research studies involving jaundice or liver injuries such as apoptosis and fibrosis due to extrahepatic cholestasis. It is also useful in studies related to the effects of biliary drainage on hepatic blood flow and portal pressure.

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, age ≥ 21 days old
- Mice: male/female, any strain, age ≥ 21 days old

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 2 days, with the majority of animals shipping within 3 days of surgery.
- **Maintenance:** Wound clips should be removed 7-10 days after surgery.

Surgical Summary

A section of bile duct is isolated, ligated, and cauterized.

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).