



Double Jugular Vein Catheter

Surgery Code: JUGJUGVEIN

The double jugular vein catheter is of benefit to preclinical or research studies as it allows for easy and/or repeated intravenous access without the need for anesthesia. This procedure enables manual dosing and/or sampling, as well as long-term infusion using automated equipment. It is specifically designed for infusion to both the right and left jugular veins, and sampling from the right jugular vein.

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 175 g
- Guinea pigs: 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.
- **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 5 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.

Surgical Summary

Catheters are inserted into the left and right jugular veins. The catheters are tunneled subcutaneously to the dorsal incision, exteriorized in the scapular region and secured using wound clip or alternative methods per request. The left jugular vein is used for infusion. The right jugular vein is used for infusion and/or sampling.

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).