

INTRACISTERNAL CANNULATION

ORDER CODE: INTRCIST
SPECIES: Rat, Guinea Pig
DIET SUPPLEMENT: None required

This procedure involves the placement of a cannula into the Cisterna Magna to allow for sampling of cerebral spinal fluid.

Surgical Procedure

The animal is prepared for surgery using pre-operative and anesthetic procedures as described in our *Surgical Capabilities Reference Paper*, Vol. 13, No.1, 2005. The animal is mounted onto the stereotaxic device. A midline incision is made on the top of the head to expose the parietal and inter-parietal areas of the skull. Holes are drilled at the parietal region, and mounting screws are secured in the holes. A hole is then drilled at the external occipital crest. A guide cannula is inserted through the hole on the occipital crest and advanced to the Cisterna Magna. A layer of cranio-plastic powder is applied around the cannula. The powder serves to affix the cannula and to cover the exposed portion of the skull. A small amount of cranio-plastic liquid is applied to the powder. The final step involves inserting and securing a dummy cannula into the guide.

IACUC

Charles River's Institutional Animal Care and Use Committee (IACUC) governs the entire surgical process, including any post-operative holding in CRL facilities prior to shipment. The receiving institution's Animal Care and Use Committee, investigators, and animal care staff are responsible for the well-being of the animal subsequent to its arrival at their institution. Justification for use of surgically-modified animals, review of experimental protocols, authorization to order animals that are surgically modified from Charles River, and all aspects concerning the use of surgically-modified animals after they arrive at the institution are the responsibility of the receiving institution's IACUC.

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