

## **SUPERIOR CERVICAL GANGLION DENERVATION**

ORDER CODE: GANGLION

SPECIES: Rat, Mouse

DIET SUPPLEMENT: None required

The purpose of this procedure is to sever any distal nerve connections to the superior cervical ganglion. This highly specialized procedure is useful for some physiological and pharmacologic studies.

### **Surgical Procedure**

The animal is prepared for surgery using pre-operative and anesthetic procedures as described in Charles River Laboratories *Reference Paper* Vol. 13 #1, 2005. Make a ventral midline incision in the skin of the neck. Expose and retract the osmohyoid muscle laterally. Expose the bifurcation of the carotid artery which divides into the internal and external branches. The superior cervical ganglion lies within the bifurcation. A small piece of nerve is carefully excised. Using the same skin incision, the procedure is performed on the other side. The skin incision is then closed with wound clips.

### **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. 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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