

TELEMETRY IMPLANT BLOOD PRESSURE

ORDER CODE: TELEMBP

SPECIES: Rat

DIET SUPPLEMENT: None required

This procedure involves the surgical placement of a catheter with a telemetry device into the abdominal aorta to allow for blood pressure monitoring.

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. An abdominal midline incision through the skin and muscle is made below the xyphoid cartilage and the abdominal aorta is exposed. A piece of suture is placed around the abdominal aorta. The blood flow of the aorta is restricted temporarily. A puncture hole is made. The tip of the catheter is inserted through the hole. A small piece of cellulose patch is placed around the catheter and medical glue is carefully applied on the patch. Aortic blood flow is restored. The body of the device is slipped into the abdominal cavity and the abdominal incision is then closed. If the device has a suture tab, the tab is secured to the abdominal wall and the skin incision is closed. The function of the device can be verified by using the receiving equipment.

IACUC

Charles River's Institutional Animal Care and Use Committee (IACUC) governs the entire surgical process, including any post-operative holding in Charles River Laboratories' 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.