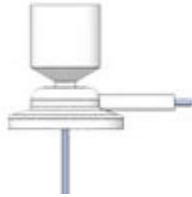


OSMOTIC PUMP BRAIN CANNULATION INFORMATION AND CARE & USE

This cannula system from PlasticsOne® is used when a brain cannula will be attached to an osmotic pump. It consists of an osmotic pump connector cannula and a 5 cm long catheter made of Micro-Renathane® (MRE) 040 filled with sterile saline.



Osmotic Pump Connector Cannula: This cannula is used when constant delivery of compounds is required. The cannula is placed into the brain at predetermined coordinates through a hole drilled in the skull and secured on the skull with dental cement. The catheter is filled with sterile saline and secured to the side arm of the connector. The catheter is sealed with a stainless steel pin inserted at the distal end of the catheter.

Catalog #: 3280PM/SPC

Gauge: 28

Cut length*: Custom

*Cut length equals the depth of the cannulas.

Our Standard coordinates and cannula lengths for the lateral ventricle are:

ML: +1.0 RC: -0.4 DV: 2.45 mm

Guide cannula length: 2.45 mm

Our Standard coordinates and cannula lengths for the 3rd ventricle are:

ML: +0.2 RC: -0.8 DV: 2.5 mm

Guide cannula length: 2.5 mm

- ✓ **Please specify your custom coordinates or any changes to these coordinates when placing your order with Customer Service.**

OSMOTIC PUMP BRAIN CANNULATION INFORMATION AND CARE & USE

To attach the catheter to your osmotic pump:

- Use aseptic technique and sterile materials.
- Anesthetize the mouse and surgically prepare the mouse for pump placement.
- Locate the catheter, subcutaneously along the dorsal midline, and exteriorize the catheter.
- Cut off a section of the catheter, proximal to the stainless steel pin. Leave a sufficient length of catheter to attach to the pump without tension.
- Attach a pre-filled osmotic pump to the catheter and place the pump into the subcutaneous pocket.
- Close the skin incision.

Housing of cannulated mice for osmotic pumps:

- We recommend housing the mice individually or only with their ship mates from JAX.

For additional information please contact Surgical Services at surgicalservices@jax.org