

BILATERAL OPTOGENETIC GUIDE CANNULA SYSTEM

In vivo Preclinical Research Component Specification [SS0152 Rev. A]

Guide Cannula

- Two stainless steel hollow tubes with plastic pedestal which guide a fiber to specific injection site
- Can be head-mounted with dental cement and mounting screws
- Autoclave up to 270°F, ETO, Gamma Radiation, Alcohol Bath

Dummy Cannula

- Two stainless steel wires with molded plastic top/also called Stylet or Obturator
- Seals the double guide pedestals to prevent tissue entry after removal of Internal cannulas
- Dust cap secures Dummy to Guide Cannula
- Center-to-center distance (C/C) between dummy wires is determined by the center-to-center distance of the Double Guide in use
- Autoclave up to 270°, ETO, Gamma Radiation, Alcohol Bath

Housing

- Molded plastic housing which holds optic fiber in place
- Secure housing to optic fiber with epoxy

Cap with Hole

- Plastic threaded cap which secures the optic fiber housing to the Guide Cannulas when fiber is activated

Internal Cannula

- Transfers fluid from the system to the animal
- Two stainless steel tubes with short plastic pedestal inserted into and extending below the Double Guide Cannula enabling consistent depth penetration
- Also called Injector/Infusion Cannula
- The center-to-center distances (C/C) between tubes is determined by the C/C distance of the Double Guide Cannula that the internal is used with it
- All Double Internal Cannulas use PE50 thin-wall tubing
- Autoclave up to 270°F, ETO, Gamma Radiation, Alcohol Bath

Let's Connect

