



RESEARCH MODELS

PinPort™ Easy Access to Vascular or Nonvascular Catheters

Benefits

- **Quick:** Infuse or withdraw from the catheter in a fraction of the time it takes with plugs and blunt needles.
- **Clean:** The PinPort™ is a closed system that permits aseptic technique. This can reduce infection, improve patency and ultimately reduce the number of animals required for a study.
- **Safe:** The injector is recessed and provides complete needle-stick protection for personnel, as compared to classical access systems.

Charles River offers a variety of surgical services in rodents in locations across Europe and North America, including vascular and nonvascular catheterizations.

Vascular catheterizations are ideal for many studies, as they allow repeated injections or blood sampling at multiple time points without anesthesia and minimize animal stress resulting from frequent handling.

In order to easily access the vascular catheters, Charles River is now offering catheterized animals with a special external port: the PinPort™. The PinPort™, manufactured by Instech, provides fast, aseptic access to externalized rodent catheters and can reduce study costs and improve compliance with the 3Rs.

The system consists of a lightweight port (3 mm in diameter and 0.1 g) and mating injectors.* The port can be accessed via sterile injectors hundreds of times.

The PinPort™ is now available for mice and rats in Europe; and mice, rats, and guinea pigs in North America. For more information or to order animals with the PinPort™ installed at the time of catheterization, please contact us.

INSTECH

*Charles River Europe can also provide you with appropriate injectors and needles. Please consult us. PinPort™ is a trademark of Instech Laboratories, Inc., Plymouth Meeting, Pennsylvania, USA.

EVERY STEP OF THE WAY