

## SWIVEL MOUNTS

Mounting a swivel to your particular animal cage can be one of the most frustrating steps in setting up your animal infusion system. Improper mounting can lead to damaged tethers and added stress on animals. Instech has pulled from its years of experience designing custom systems to create this complete line of swivel mounts.

### Multi-Axis Lever Arms



These counter-balanced lever arms move vertically and horizontally with the animal to prevent slack in the tether. Their sensitivity makes them ideal for awake-animal microdialysis and all types of infusion studies with mice. They feature an adjustable spring counter-balance, not a mass, which increases their responsiveness to an animal's quick movements.

The mounting plate can be adjusted for mounting to the side or top of many types of cages, including Instech's tanks. Both the 6in-long (15cm) MCLA and 3.5in (9cm) SMCLA models include the gimbal which holds the swivel and the locking mechanism to keep the gimbal in its groove at the end of the arm.

Versions of these balance arms are also available for metabolism cages and operant chambers for IV self-administration.

#### BENEFITS



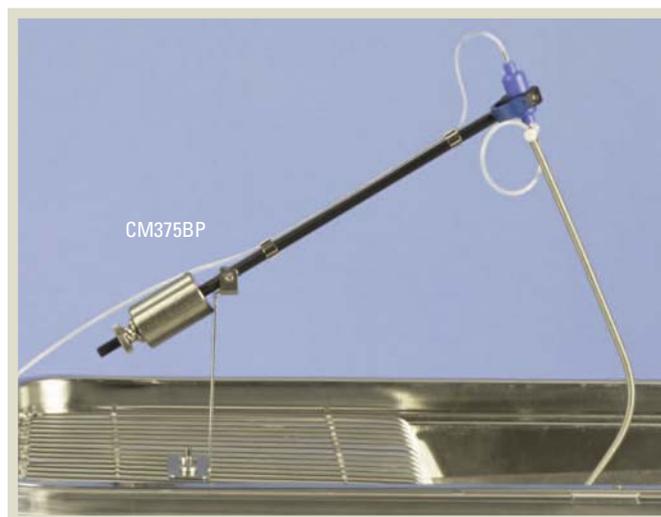
A lever arm reduces forces on animal and permits freer movement

Reduces chewing on tethers which can lead to dropouts

Part No.	Description	Unit
MCLA	6in multi-axis lever arm for rats	ea
SMCLA	3.5in multi-axis lever arm for mice	ea
SMCLA/META	Counter-balanced lever arm for Techniplast metabolism cage, with 8in (20cm) diameter lid	ea
SMCLA/METALP	Counter-balanced lever arm for Lab Products metabolism cage, with 8in (20cm) diameter lid	ea
MCLA/MED	Counter-balanced lever arm, for Med Associates rat self administration cage	ea
SMCLA/MED	Counter-balanced lever arm, for Med Associates mouse self administration cage	ea

[www.instechlabs.com/Infusion/swivelmounts/mcla.php](http://www.instechlabs.com/Infusion/swivelmounts/mcla.php)

### Single-Axis Lever Arms



This mount is designed for standard infusion of rats in shoebox cages. The mount pivots in the vertical plane to remove slack from the tether but allow enough length to reach all corners of an asymmetrical cage. The adjustable counter-weight can be set to balance the weight of our swivels plus a tether. The crossbar in the wire top must be clipped in the slot that the tether is placed for maximum travel.

Part No.	Description	Unit
CM375BP	Single-axis lever arm for plastic swivels	ea
CM375BS	Single-axis lever arm for stainless steel swivels	ea
CM/T143	Slotted top for 10.5in x 19.8in rodent cages	ea

[www.instechlabs.com/Infusion/swivelmounts/cm375bp.php](http://www.instechlabs.com/Infusion/swivelmounts/cm375bp.php)

# SWIVEL MOUNTS

## Mouse Micro-Isolator Cage Mount



Use this mount to infuse mice while maintaining a safe micro-environment for nudes and transgenics. It is designed to attach to standard micro-isolator cages, such as those made by Allentown Caging and Lab Products, with no modifications to the cage or cover. Includes a spring counter-balanced lever arm attached to a bracket with holes to protect the IV lines as they enter and exit the cage. Feeder and water bottle are available separately.

Part No.	Description	Unit
CMMI/65	Mouse micro-isolator cage mount	ea
CMMI/F	Feeder for mouse micro-isolator cages	ea
CM/W50	50ml water bottle for CMMI/F	ea

[www.instechlabs.com/Infusion/swivelmounts/cmami65.php](http://www.instechlabs.com/Infusion/swivelmounts/cmami65.php)

## Fixed Swivel Mount for Metabolic Cages



These mounts hold a swivel in a fixed position above a standard Techniplast (Nalgene) or Lab Products metabolism cage. Parts included: vertical and horizontal mounting bars with hardware, new cage top with pre-drilled mounting holes. Available with slotted lids for easier access to the animal.

Part No.	Description	Unit
METAMOUNT	Swivel mount for Techniplast metabolism cage	ea
METAMOUNT/SL	Swivel mount for Techniplast cage, slotted lid	ea
METAMOUNTLP/SL	Swivel mount for Lab Products metabolism cage, slotted lid	ea

[www.instechlabs.com/Infusion/swivelmounts/metamount.php](http://www.instechlabs.com/Infusion/swivelmounts/metamount.php)

## Rod-Mounted Snap-in Swivel Mount



This swivel holder mounts to poles that are 3/8 to 1/2-inch (9-12mm) in diameter. It features a clip that allows for easy snap-in, snap-out installation and removal of an Instech swivel. The clip can rotate in one axis as the animal moves and includes a stop to prevent the swivel from slipping downward. The distance from the mounting pole to the swivel is approximately 10cm. Available in single- and double-sided versions.

Part No.	Description	Unit
CM375R10	Rod-mounted swivel mount, single 10cm arm	ea
CM375R10D	Rod-mounted mount for two swivels, 10cm arms	ea

[www.instechlabs.com/Infusion/swivelmounts/cm375r.php](http://www.instechlabs.com/Infusion/swivelmounts/cm375r.php)

## Swivel Mount for Large Animals



This heavy-duty swivel holder bolts to the top of the cage and allows all of Instech's single and dual channel swivels to be used with dogs, nonhuman primates and other large animals. For cleaning, simply remove the swivel and the stainless steel posts and send the rest of it through a cage washer with the cage. The mount couples directly to standard 1/2-in (12.7mm) ID jacket tethers.

Part No.	Description	Unit
SR750	Swivel mount/strain relief for large animals	ea

[www.instechlabs.com/Infusion/swivelmounts/sr750.php](http://www.instechlabs.com/Infusion/swivelmounts/sr750.php)

# ANIMAL ENCLOSURES

Instech's clear animal enclosures are ideal for tethered rodents, as they have no sharp corners where the tether can catch or tangle. Originally designed for short-term microdialysis experiments, the tanks can be ordered pre-machined to accommodate feeders and water bottles in order to house animals for longer periods. The floor areas of the two models exceed USDA regulations and NRC guidelines for the largest singly-housed rats and mice.<sup>1</sup>

The feeders and water bottles mount outside the tank to avoid interference with the tether. The feeder pellet opening is approximately 13x20mm.

Use the 6-inch MCLA lever arm with the larger rat tank and the 3.5-inch SMCLA arm with the small mouse tank.

Part No.	Description	Unit
MTANK	Clear animal enclosure, 15in high	ea
MTANK/W	Clear enclosure, 15inH drilled for MWATER	ea
MTANK/F	Clear enclosure, 15inH drilled for MFEEDER	ea
MTANK/WF	Clear enclosure, 15inH drilled for MWATER & MFEEDER	ea
STANK	Clear animal enclosure, 8.5in high	ea
STANK/W	Clear enclosure, 8.5inH drilled for CM/W50	ea
STANK/F	Clear enclosure, 8.5inH drilled for MFEEDER	ea
STANK/WF	Clear enclosure, 8.5inH drilled for CM/W50 & MFEEDER	ea
MTOP	Slotted cover for MTANK	ea
MFEEDER	Feeder for MTANK or STANK	ea
MWATER	Water bottle for MTANK	ea
SSCREEN	Bottom screen for STANK	ea
STOP	Slotted cover for STANK	ea
CM/W50	50ml water bottle for STANK	ea

© [www.instechlabs.com/Infusion/accessories/clearenclosures.php](http://www.instechlabs.com/Infusion/accessories/clearenclosures.php)



## SPECIFICATIONS

	MTANK	STANK
Height	15in (38cm)	8.5in (22cm)
Diameter	10.5in (27cm)	5.5in (14cm)
Floor area	87in <sup>2</sup> (570cm <sup>2</sup> )	24in <sup>2</sup> (150cm <sup>2</sup> )
Material	polycarbonate	polycarbonate

<sup>1</sup> "Guide for the Care and Use of Laboratory Animals." National Academy Press, 1996.



MFEEDER and CM/W50 (mice)



MFEEDER and MWATER (rats)