

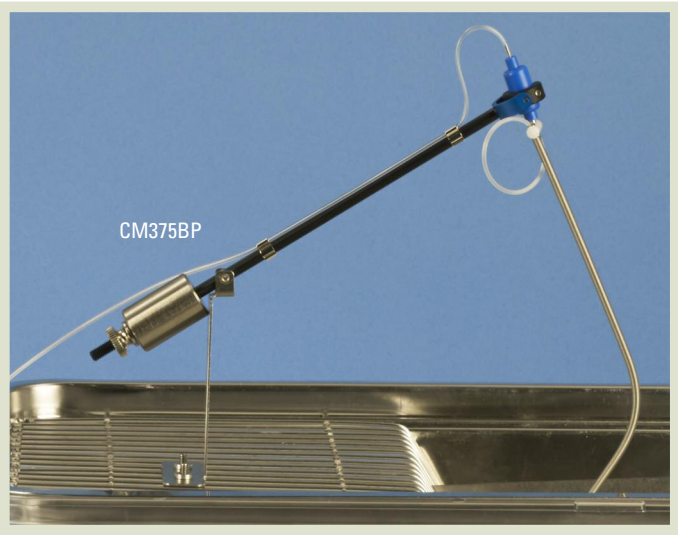
Mounting a swivel to your particular animal cage can be one of the most frustrating steps in setting up your animal infusion system. Improper mounting can lead to damaged tethers and added stress on animals. Instech has pulled from its years of experience designing custom systems to create this line of swivel mounts. If at all possible, use swivel mounts that are counter-balanced to remove slack from the tether.

BENEFITS



- A lever arm takes weight off the animal so that it can move more freely
- Also reduces chewing on tethers which can lead to dropouts

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. Crossbars in the wire top should be cut so that the tether can travel the length of the cage.

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

Snap-in Spring Swivel Arm NEW



This new swivel mount uses a flexible spring to balance the weight of the swivel and tether and prevent slack as the animal moves. Instech swivels can be snapped into or out of the arm with one hand and no tools. Use with a slotted cage lid so that the animal can be removed without disconnecting its tether.

Part No.	Description	Unit
CM375KRP	Single-axis lever arm for plastic swivels	ea

www.instechlabs.com/Infusion/swivelmounts/cm375krp.php

The spring mount is available in configurations for cage racks; contact Instech for more information as cage rack systems typically involve custom modifications.



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.

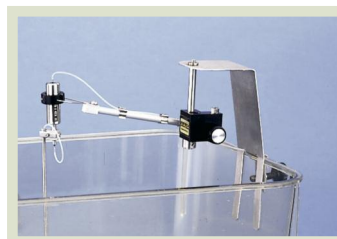
The mounting plate can be adjusted for mounting to the side or top of many types of cages, including Instech's tanks. Both the 6in-long (15cm) MCLA and 3.5in (9cm) SMCLA models include the gimbal which holds the swivel and the locking mechanism to keep the gimbal in its groove at the end of the arm.

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

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
MCLA/GC	Counter-balanced lever arm, 6in, with holder for SCX22 or SCX25 for glucose clamping	ea
SMCLA/GC	Counter-balanced lever arm, 3.5in, with holder for SCX22 or SCX25 for glucose clamping	ea

www.instechlabs.com/Infusion/swivelmounts/mcla.php

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/cmmi65.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
METAMOUNTLTP/SL	Swivel mount for Lab Products metabolism cage, slotted lid	ea

www.instechlabs.com/Infusion/swivelmounts/metamount.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.¹

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.



SPECIFICATIONS

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

¹ "Guide for the Care and Use of Laboratory Animals." National Academy Press. 1996.



MFEEDER and CM/W50 (mice)



MFEEDER and MWATER (rats)