

## 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



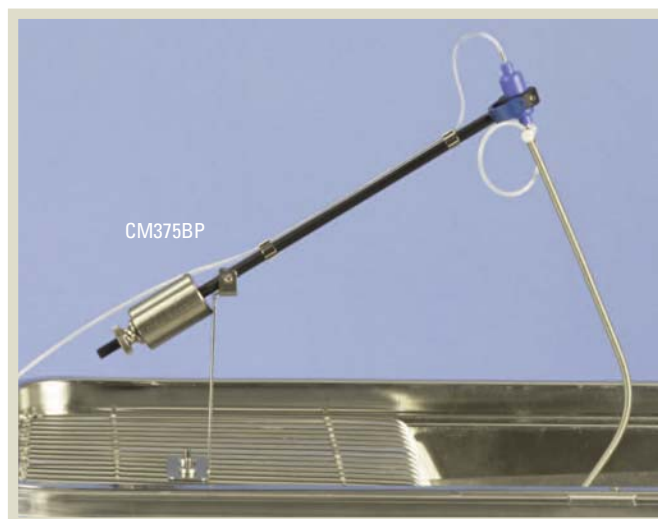
A lever arm reduces forces on animal and permits freer movement

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

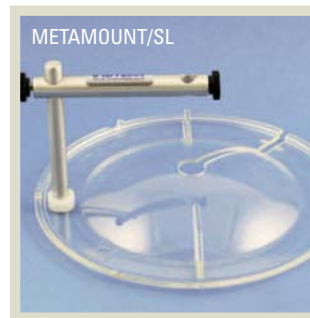


Use this mount to infuse mice while maintaining a safe micro-environment for nudes and transgenics. It is designed to attach to standard micro-isolator cages, such as those made by Allentown Caging and Lab Products, with no modifications to the cage or cover. Includes a spring counter-balanced lever 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   |

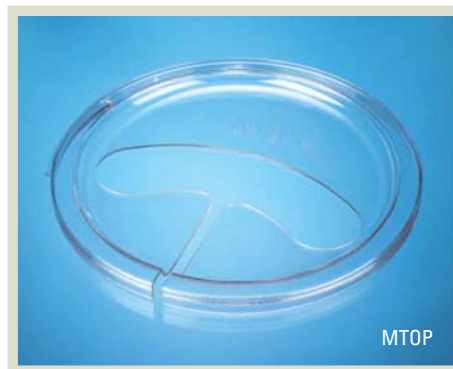
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## SPECIFICATIONS

|            | 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)