Columbus Instruments, LLC
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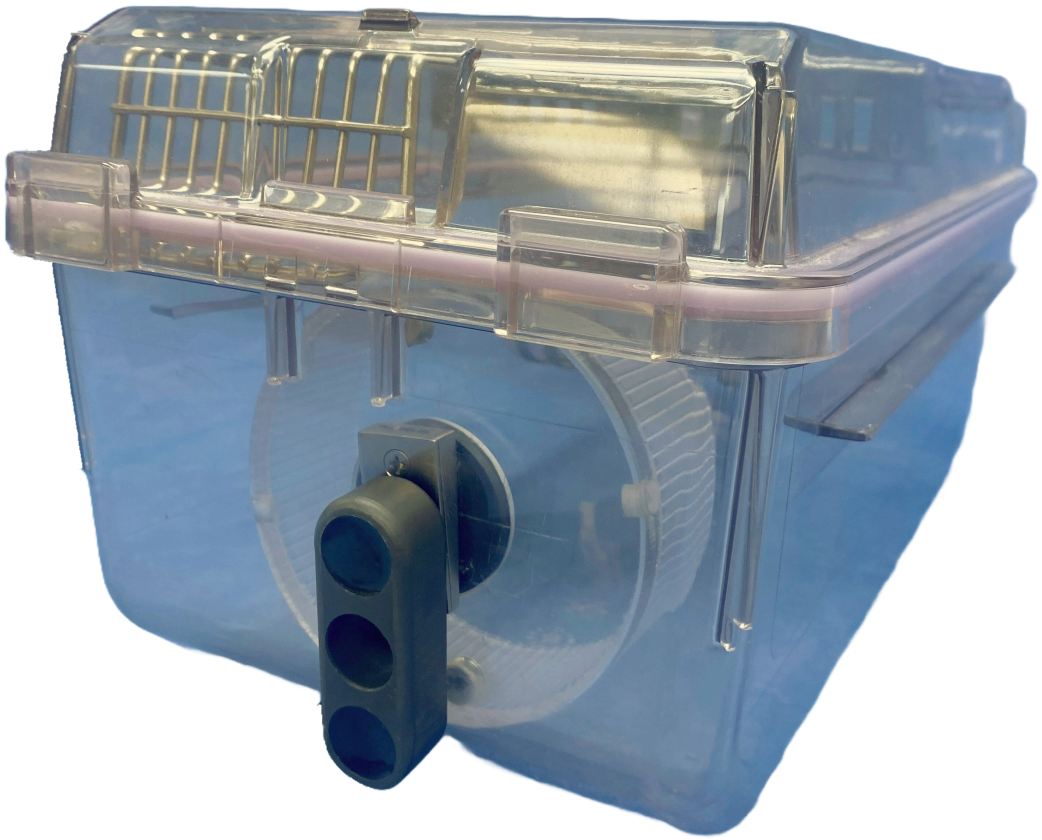
Mag Wheel

Home Cage Running Wheel



Voluntary Exercise Testing in Mice

The Mag Wheel measures spontaneous activity in a voluntary free-spinning running wheel. This novel wheel allows for easy implementation into various style cages without the use of tools.

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Effortless Installation Attach toollesssly by magnetic connections and a circular indent on the back, securely attaching to the inside wall of the cage with the pickup sensor on the outside.

Safe and Secure Running Surface Prioritize safety with an open axle design that increases access to a textured, solid running surface to ensure that animals can run without the risk of missteps or injuries.

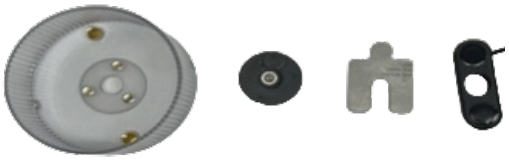
Performance Tracking Collect data on each running wheel's revolutions, grouped into bins for precise interval-based calculations of speed and distance.

Wheel Control Flexibility Run personalized experiments with the wheel stop, preventing a wheel from temporarily spinning for some subjects.

Easy Cleaning Sanitize the wheel attachments that are designed to withstand cage washer cleaning processes, ensuring easy and effective decontamination.

Simultaneous Data Transfer Relay all data to your computer via USB, conveniently stored in an easily importable CSV formatted file for streamlined analysis from mulitple wheels.

Product Features



Each wheel is 4" in diameter and is equipped with a wheel mount, wheel stop, and sensor that are designed to attach to a wide range of commercially available home cages.

The wheel stop is inserted on the back of the wheel in an upright position, temporarily locking the running wheel to prevent unwanted movement.

Running wheels establish communication with the computer via a Running Wheel Interface. Each Interface is uniquely addressed and equipped with eight channels, allowing simultaneous data transfer from multiple wheels.