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Lab Animal Metabolism Monitor: Oxymax - CLAMS

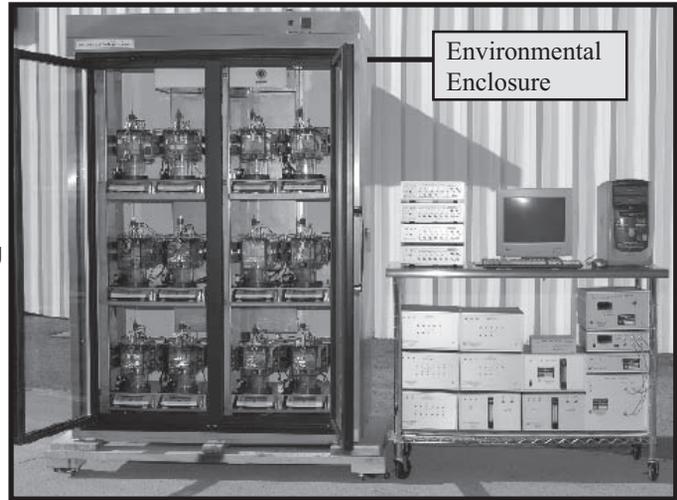
The Columbus Instruments Oxymax - **CLAMS** (**C**omprehensive **L**ab **A**nimal **M**onitoring **S**ystem) is a versatile device for monitoring metabolic performance of mice and rats. Customers choose from a selection of sub-systems that allow for the measurement of these possible parameters:

- **VO₂/VCO₂ & RER**
- **Food Intake**
- **Drinking Volume**
- **Urine Production**
- **Body Mass**
- **Breaths / Minute**
- **Animal Activity**
- **Yoked and/or Paired Feeding**
- **Core Temp. & Heart Rate**
- **Running Wheel Activity**
- **Optional Environmental Enclosure**

For more information:

Email: clams@colinst.com

Phone: (614) 276 - 0861 ext. 131

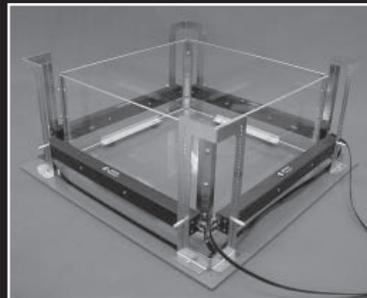


Environmental Enclosure

Animal Activity Monitor

The Columbus Instruments Auto-Track Activity Meter presents the **ultimate flexibility** for measuring in home or special cages. Measures these parameters:

- **Distance Traveled**
- **Path of Movement**
- **Ambulatory Movement**
- **Stereotypic Movement**
- **Rearing (Vertical)**
- **Rotations**
- **Open Field**
- **Hole Poke**
- **Light / Dark**
- **Time-In-Square**

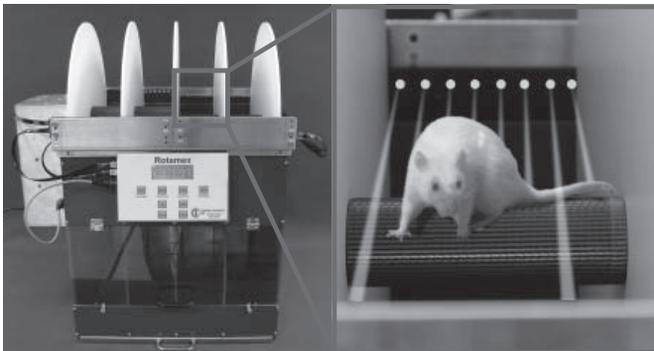


Animal Treadmill

The Exer 3/6 Treadmill provides 6 mouse lanes or 3 rat lanes for general purpose exercise. Speed is adjustable from 2-102 m/min and acceleration is programmable in 0.1 m/min steps per second. Available with or without electric stimulus or optional stimulus detection system.



Rota-Rod: Rotamex-5



The Rotamex-5 measures coordination in up to four mice or rats by recording the latency to fall from a spinning rod. Key features include:

- **Reports latency time to fall for each subject**
- **Reports rod speed in RPMin. or in cm/sec.**
- **Adjustable speed from 0-99.9 RPMin.**
- **Fully adjustable acceleration 0.1-20 RPMin/sec.**
- **Fall detection by photocells above the rod**
- **Detection of passive rotation (looping) in mice**

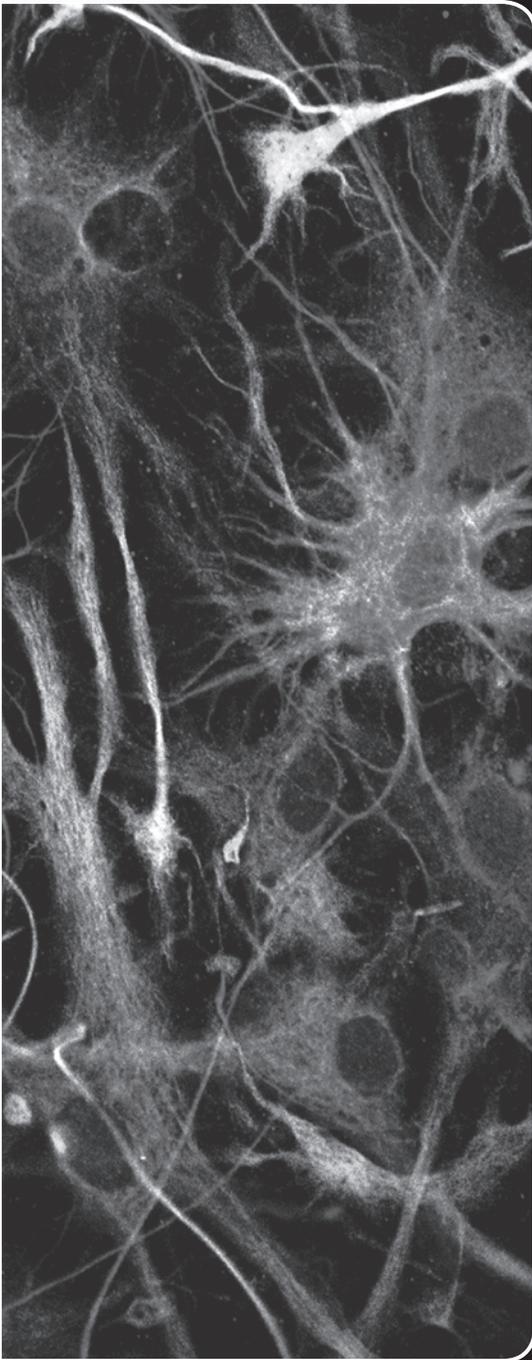
Passive & Active Avoidance:

PACS-30 is an automated system used for testing of passive and active avoidance behavior:



- **LED Light Stimulus: white light adjustable between 0-150 Lux**
- **Sound Stimulus: adjustable frequency & volume between 200-13,000 Hz in 100 Hz steps at 70-115 dB**
- **Shock Stimulus: True Constant-Current adjustable between 0-1000 µA**
- **Includes Lux Meter and Decibel Meter for calibration**
- **Photocell detection of transfers**

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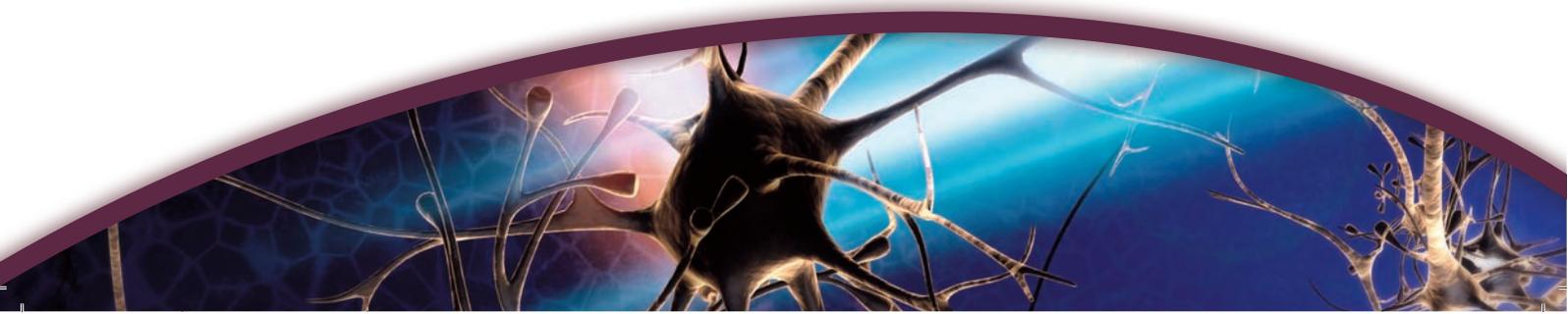
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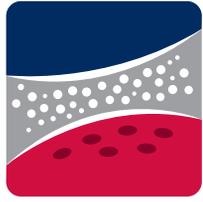
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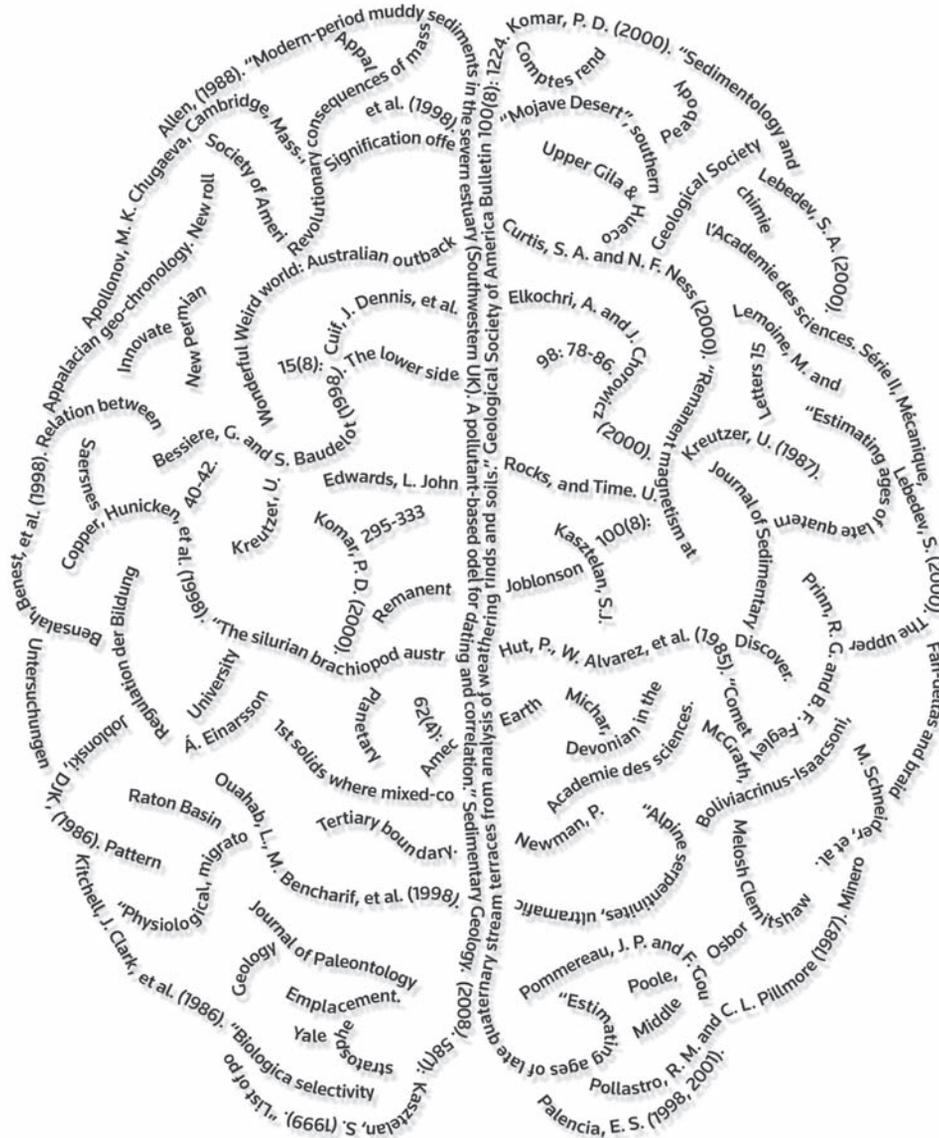
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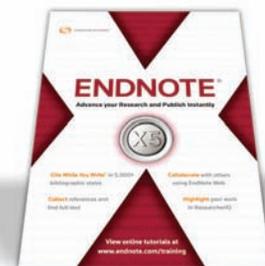


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