Columbus Instruments
950 N. Hague Ave; Columbus, OH 43204 U.S.A.
Phone: [614] 276.0861 Fax: [614] 276.0529
www.colinst.com

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:

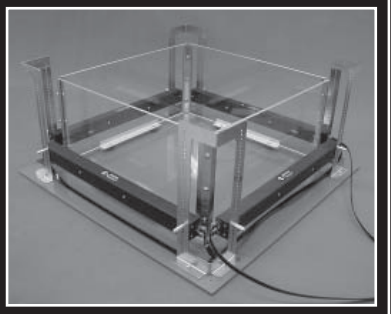
- **VO2/VCO2 & RER**
- **Food Intake**
- **Drinking Volume**
- **Urine Production**
- **Body Mass**
- **Breaths / Minute**
- **Animal Activity**
- **Yoked and/or Paired Feeding**
- **Core Temp. & Heart Rate**
- **Running Wheel Activity**
- **Optional Environmental Enclosure**

For more information:
Email: clams@colinst.com
Phone: (614) 276 - 0861 ext. 131

Animal Activity Monitor

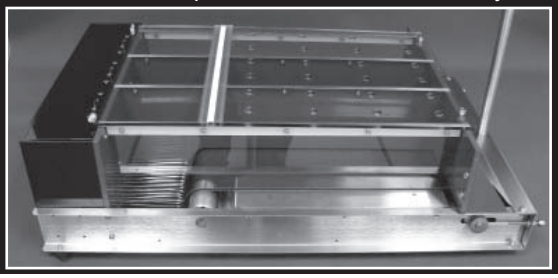
The Columbus Instruments Auto-Track Activity Meter presents the ***ultimate flexibility*** for measuring in home or special cages. Measures these parameters:

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

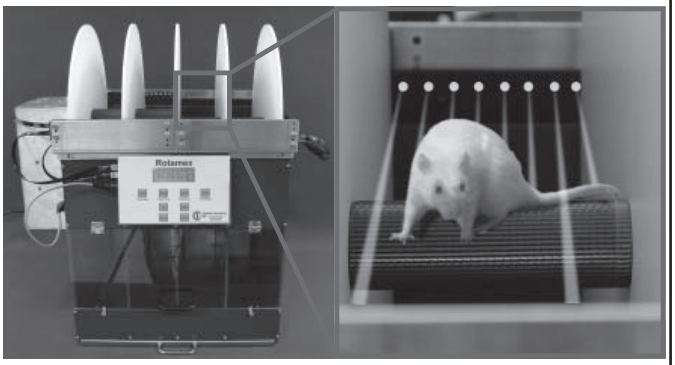


Animal Treadmill

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

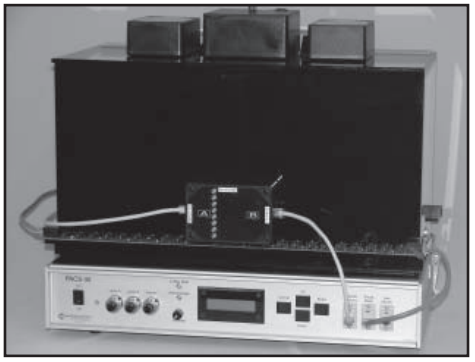


The Rotamex-5 measures coordination in up to four mice or rats by recording the latency to fall from a spinning rod. Key features include:

- **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**

Tenure-track Faculty Position
Psychological and Brain Sciences
Dartmouth College

The Department of Psychological and Brain Sciences at Dartmouth College seeks applications for a tenure-track Assistant (or advanced Assistant) Professor position in **Behavioral Neuroscience** beginning in Fall, 2012. The successful candidate is expected to provide high-quality teaching at the undergraduate and graduate levels and to have exhibited excellence in independent research. Applications from candidates using small animals as an experimental model in any area broadly defined as behavioral neuroscience are welcome. Current areas of research include learning/memory, spatial cognition, hormones/behavior, decision-making, and animal cognition. Behavioral neuroscience is one of several areas of expertise within the department that focuses on experimental psychology. The department is housed in a state-of-the-art research and teaching facility that includes excellent space for animal research. Dartmouth College is an equal opportunity/affirmative action employer, is strongly committed to diversity, and encourages applications from women and minorities. Please submit via email a letter of application including: (1) CV, (2) research statement, (3) teaching statement, and (4) names and contact information for three references to: Behavioral.Neuroscience@dartmouth.edu.
Review of applications will begin October 1, 2011.

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CHAIR
DEPARTMENT OF ANATOMY & CELL BIOLOGY

Request for Applications

The Schulich School of Medicine & Dentistry, at The University of Western Ontario, is inviting applications for the position of Chair in the Department of Anatomy & Cell Biology.

Anatomy & Cell Biology is a strong vibrant department with three main areas of strength: Cell Biology, Neurobiology and Clinical Anatomy. Research in Cell Biology focuses on Cancer, Vascular Biology and Stroke, Cell Communication and Cell Signaling. Research in Neurobiology includes Addiction and Reward, Schizophrenia, Spinal Cord Injury and Learning, Memory and Cognition. Clinical Anatomy research is centered on the development and testing of novel tools for the teaching of anatomy, as well as the application of anatomy in clinical settings such as surgery and radiology. The Department has approximately16 000 sq. ft of renovated laboratory space and access to many core facilities located at the Schulich School of Medicine & Dentistry, and at the Robarts Research Institute. Facilities within the department include confocal microscopy, cell micromanipulation, live cell imaging, whole animal imaging, and animal behavioral equipment. The Department has a strong graduate program consisting of both Research and Clinical Anatomy Streams and an innovative undergraduate Honours program in Medical Cell Biology. In addition, the Department provides teaching to medical, dental, science and health science students through undergraduate programs in the Schulich School of Medicine & Dentistry and the Faculties of Science and Health Sciences.

The successful candidate should have a reputation for effective interpersonal, administrative and leadership skills and have a well-funded, successful research program. The new Chair will be expected to support the research, educational and interdisciplinary initiatives of the Department, to help maintain the positive forward momentum of the Department and to develop new initiatives in research/scholarship. The successful candidate must have a PhD or equivalent, and would receive a tenured academic appointment at the level of associate or full professor, as appropriate to their record of accomplishment in teaching and research. Candidates with a background in the anatomical sciences and a research program complementing existing research strengths are particularly encouraged to apply. However, applications from candidates with outstanding accomplishments in other research areas are also welcome. The position of Chair is for a five year term, renewable.

Details concerning the Department of Anatomy & Cell Biology, the Schulich School of Medicine & Dentistry, and The University of Western Ontario, London, Ontario, may be found at: http://www.uwo.ca/anatomy/

Interested candidates should submit a CV outlining their research, teaching, and administrative experience and interests, including future directions, together with the names and addresses of three referees to:

Dr. Michael Strong, Dean
Schulich School of Medicine & Dentistry
Room 3701A
Clinical Skills Building
The University of Western Ontario
London, Ontario N6A 5C1
FAX: (519) 850-2357
Selection.committee@schulich.uwo.ca

The competition will remain open until the position is filled.

Positions are subject to budget approval. Applicants should have fluent written and oral communication skills in English. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Western Ontario is committed to employment equity and welcomes applications from all qualified women and men, including visible minorities, aboriginal people and persons with disabilities.

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