Lab Animal Metabolism Monitor: Oxymax - CLAMS

The Columbus Instruments Oxymax - CLAMS (Comprehensive Lab Animal Monitoring System) 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  • Animal Activity
• Food Intake  • Yoked and/or Paired Feeding
• Drinking Volume  • Core Temp. & Heart Rate
• Urine Production  • Running Wheel Activity
• Body Mass  • Optional Environmental
• Breaths / Minute  ● Enclosure

For more information: www.colinst.com

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

Non-Invasive Blood Pressure: Columbus NIBP

The Columbus Instruments NIBP system measures blood pressure in mice and rats by way of specially designed tail cuffs. The system can support measurements in up to 8 animals, key features include:

• Systolic, Diastolic, and Mean Blood Pressure
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Hershel Raff, Ph.D.
American Physiological Society
9650 Rockville Pike
Bethesda, MD  20814-3991

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Applications should be received before January 15, 2011.

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