**LAB ANIMAL RESEARCH EQUIPMENT**

**INEXPENSIVE EXERCISER**
- For rats and mice -- 4-lane exerciser.
- Electronically controlled speed.
- Electric stimulation grids.

**GRIP STRENGTH METER** for rats and mice
- Objectively measures animal deficiency in strength.

**END TIDAL CO₂ METER**
- Can be used for Rats
- Extremely small air sample flow -- 5ml/min.
- Analog output to most recorders.
- Digital display N₂O measurements.

**INEXPENSIVE ANIMAL ACTIVITY METERS**
- "Mini" activity meter uses standard plastic cages.
- Can be used with rats or mice.
- 15 Infrared sensors.
- Separates ambulatory from total activity.
- Multi-cage system available w/ IBM-PC interface.

**CARDIAC OUTPUT FOR RATS**
- Thermodilution method using 1/3 mm temp. microprobes.
- Can be interfaced to an IBM-PC.
- Measures: CO, S.V, BP, Mean Transit Time, Ejection Fraction and much more.

**VENTILATORS**
- Mechanical (piston) positive pressure ventilators for rodents and larger animals.

**ECONOMICAL O₂/CO₂ METABOLIC SYSTEM**
- O₂ Consumption/CO₂ production computer (IBM-PC).
- Open-circuit indirect calorimeter.
- Completely computerized.
- Single channel.
- Also available-multi-channel systems for rats, mice, bacteria, horses, and humans.

**256 POINT THERMOMETER**
- Interface to IBM-PC for 1 to 256 thermocouples.
- Variety of temp. probes (rectal, skin, implantable).
- Software provides graphics and real-time plotting.
- Also special software for Pyrogenic Activity studies.

**MAZES -- "FIGURE 8" AND "RADIAL ARM"**
- Computerized system with universal maze software (for IBM-PC) monitors interruption of 128 IR sensors.
- Data LOTUS 1-2-3 compatible.

**VIDEO TRACKERS FOR WATER MAZES**
- Measures activity, distance traveled, pattern of movement, & rotations of multiple animals w/ 1 TV camera.
- Vertical activity (3-D) measurements w/ 2 cameras.
- Ideal for water maze, human and animal gait analysis.

For our complete catalog please contact: **Columbus Instruments International Corp.**

P.O. Box 44049  Columbus, Ohio 43204  USA

PH: (614) 488-6176  FAX: (614) 276-0529  TLX: 246514  Toll Free: 1-800-669-5011