

An important resource for everyone
involved in research on the
metabolism of drugs and chemicals

DRUG METABOLISM AND DISPOSITION

The Biological Fate of Chemicals

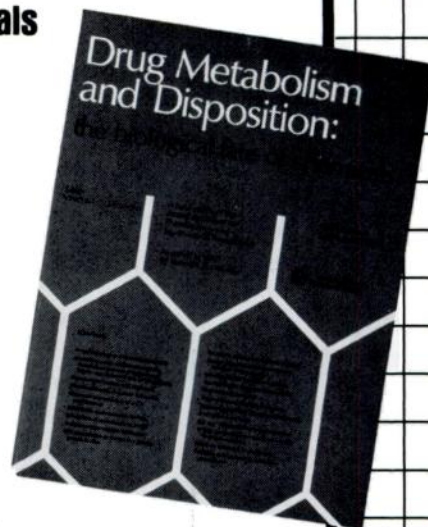
Editor: Vincent G. Zannoni, PhD, University of Michigan,
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DRUG METABOLISM AND DISPOSITION publishes *in vitro*
and *in vivo* experimental results that bring readers significant
and original information on xenobiotic metabolism and
disposition, including metabolism of all pharmacologic agents
or drugs and environmental chemicals, reactants, and preser-
vatives. All papers are refereed to ensure a high standard of
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- pharmacokinetics
- pharmacodynamics
- genetic, nutritional, and hormonal factors affecting the
biological fate of chemicals
- toxicological consequences of xenobiotic metabolism

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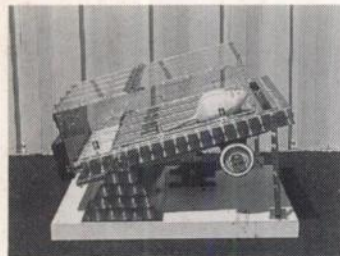
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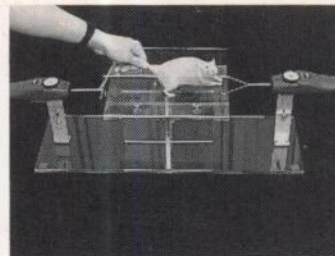
LAB ANIMAL RESEARCH EQUIPMENT

INEXPENSIVE EXERCISER



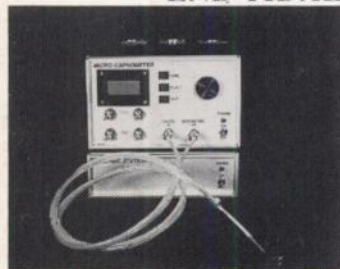
- * For rats and mice -- 4-lane exerciser.
- * Electronically controlled speed.
- * Electric stimulation grids.

GRIP STRENGTH METER for rats and mice



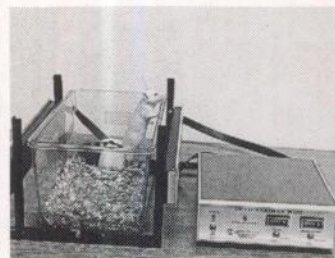
- * Objectively measures animal deficiency in strength.

END TIDAL CO₂ METER



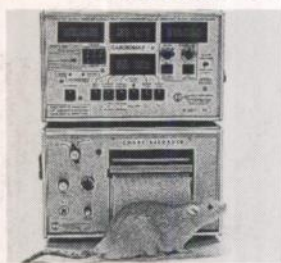
- * Can be used for Rats
- * Extremely small air sample flow -- 5ml/min.
- * Analog output to most recorders.
- * Digital display N₂O measurements.

INEXPENSIVE ANIMAL ACTIVITY METERS



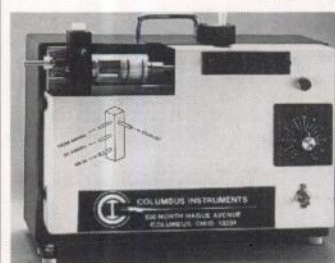
- * "Mini" activity meter uses standard plastic cages.
- * Can be used with rats or mice.
- * 15 Infrared sensors.
- * Separates ambulatory from total activity.
- * Multi-cage system available w/ IBM-PC interface.

CARDIAC OUTPUT FOR RATS



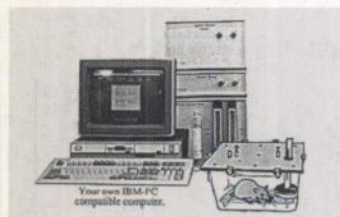
- * Thermodilution method using 1/3 mm temp. microprobes.
- * Can be interfaced to an IBM-PC.
- * Measures: CO, S.V, BP, Mean Transit Time, Ejection Fraction and much more.

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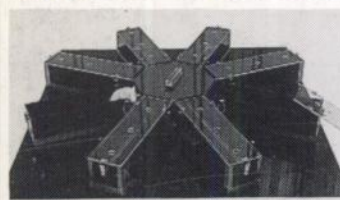
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- * Computerized system with universal maze software (for IBM-PC) monitors interruption of 128 IR sensors.
- * Data LOTUS 1-2-3 compatible.

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- * 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.

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