LAB ANIMAL RESEARCH EQUIPMENT

NON INVASIVE BLOOD PRESSURE MONITOR: MEASURES SYSTOLIC, DIASTOLIC, MEAN BLOOD PRESSURE AS WELL AS HEART RATE OF MICE AND RATS. THE SYSTEM WORKS ON THE TAIL CUFF METHOD UTILIZING A SENSOR CUFF AND OCCLUSION CUFF. CAN MEASURE 1 TO 8 ANIMALS AND SYSTEM INCLUDES SOFTWARE.

VENTILATOR: INTERCHANGEABLE PISTONS THAT ALLOW FOR MORE ACCURATE VENTILATION VOLUMES (0.1-100ML). PISTONS NEVER REQUIRE LUBRICATION. THE BREATHE RATE IS ADJUSTABLE 5-200 BPM AND IS THE INSPIRATION/EXPIRATION RATIO 4:1 TO 1:4.

CLAMS: COMPREHENSIVE LAB ANIMAL MONITORING SYSTEM, DEVELOPED IN COLLABORATION WITH THE JACKSON LABORATORY. CAN MEASURE UP TO 11 PARAMETERS INCLUDING VO2/VC02, FEEDING, DRINKING, ACTIVITY, AND URINE PRODUCTION.

MICROCAPNOGRAPH: MEASURES END TIDAL CO2 & N2O IN SMALL AND LARGE ANIMALS (MICE, RATS, DOGS & HORSES) UNDER ANESTHESIA. FEATURES A VERY SMALL SAMPLE RATE 5ML/MIN@100 BPM TO 20ML/MIN@300 BPM. DATA IS DISPLAYED BOTH NUMERICALLY AND GRAPHICALLY ON THE FRONT PANEL.

HUMANE ANIMAL TREADMILL: ACCOMMODATES 5 RATS OR 6 MICE. ELECTRIC STIMULUS COUNTS THE NUMBER OF SHOCKS & STOPS AT A USER DEFINED NUMBER. FEATURES ADJUSTABLE SPEED AND INCLINATION. ENCLOSERD MODELS ALSO AVAILABLE FOR VO2/VC02 MEASUREMENTS.

CARDIAC OUTPUT COMPUTER: MEASURES CARDIAC OUTPUT BY THERMODYNAMIC. THE SYSTEM ALSO MEASURES BLOOD PRESSURE & LOCES EKG. SUITABLE FOR ANIMALS RANGING IN SIZE FROM MICE TO HORSES.

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Jan 01, 1999; 276: 41-50

Proteomics: current techniques and potential applications to lung disease
Jan Hirsch, Kirk C. Hansen, Alma L. Burlingame, Michael A. Matthay
Jul 01, 2004; 287: 1-23

Effects of fluoxetine, phentermine, and venlafaxine on pulmonary arterial pressure and electrophysiology
Helen L. Reeve, Daniel P. Nelson, Stephen L. Archer, E. Kenneth Weir
Feb 01, 1999; 276: 213-219

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