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 (0.1-1000 mL). Pistons never require lubrication. The breath rate is adjustable 5-200 BPM as is the inspiration/expiration ratio 1:1 to 1:4.

CLAMS: Comprehensive lab animal monitoring system, developed in collaboration with the Jackson Laboratory. Can measure up to 11 parameters including VO2/VO2, 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 0.5 mL/min@100 BPM to 20 mL/min@300 BPM. Data is displayed with numerically and graphically on the front panel.

HUMANE ANIMAL TREADMILL: Accommodates 3 rats or 6 mice. Electric stimulus counts the number of shocks & stops at a user defined number. Features adjustable speed and inclination. Enclosed models also available for VO2/VO2 measurements.

CARDIAC OUTPUT COMPUTER: Measures cardiac output by thermodilution. The system also measures blood pressure & logs EKG. Suitable for animals ranging in size from mice to horses.

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