

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

SOP#: 1109.2

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TITLE:	Veterinary Blood Pressure Monitor
SCOPE:	Research and Animal Care Personnel
RESPONSIBILITY:	Surgical Core Manager, Professional & Administrative Staff
PURPOSE:	To outline the proper procedures for use and maintenance of a veterinary blood pressure monitor

I. PURPOSE

1. This procedure outlines the use and maintenance of a veterinary blood pressure monitor. To provide a means of monitoring systolic, diastolic, and mean aortic pressure in a variety of species.

II. RESPONSIBILITY

1. It is the responsibility of the Facility Manager in conjunction with the Surgical Core Manager to ensure that all portable equipment is appropriately cleaned, maintained in good working order, and available for research personnel as requested.
2. It is the responsibility of the veterinary professional, administrative, and managerial staff to ensure that all research and technical staff using this equipment are adequately trained and experienced to perform veterinary blood pressure determinations.

III. EQUIPMENT USE

1. Plug unit into electrical outlet.
2. Connect pneumatic hoses to front of monitor.
3. Apply cuff to metacarpal, metatarsal or tail area over area of a palpable pulse. Aligning arrow on cuff with the artery.
4. Connect cuff to pneumatic hoses.
5. Push power switch on.
6. Set "silence alarm" to desired mode (on or off). When silence alarm is on operator is alerted by flashing yellow LED.
7. Systolic, diastolic, map and pulse alarm limits are automatically set to default ranges. To change from default settings see manual.

8. Press start to begin each determination.
9. For automatic determination at selected intervals: press auto/manual button to enter auto mode. Unit will now make determinations at three minute intervals (default setting).
10. To change cycle time push and hold cycle time display until desired cycle time appears.
11. Determinations can be made at any time between cycles by pressing start.

IV. MAINTENANCE

1. Inspect condition of unit and electrical cord/plug to ensure safe operation. Equipment determined to be unsafe will be removed from service immediately.
2. Clean unit, cuff, and hoses by wiping with a mild disinfectant solution and soft cloth.
3. Maintain battery charge by keeping unit plugged in while not in use.
4. Any additional maintenance/service should be performed by authorized personnel.

V. REFERENCES

1. Refer to manufacturer's manual for additional information.

Approved:

Date: