

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

SOP#: 1106.2

Date Issued: 01/00

Date Revised: 7/08

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TITLE:	Ultrasonic Doppler Flow Detector
SCOPE:	Research and Animal Care Personnel
RESPONSIBILITY:	Surgical Core Manager, Professional and Administrative Staff
PURPOSE:	To Outline the Proper Procedures for Use and Maintenance of an Ultrasonic Doppler Flow Detector

I. PURPOSE

1. This procedure outlines the use and maintenance of a veterinary ultrasonic Doppler flow detector used to produce audible sounds of blood movement through vessels 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 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 ultrasonic Doppler flow determinations.

III. EQUIPMENT USE

1. Turn unit on.
2. Connect probe jack to unit.
3. Apply small amount of water soluble lubricant over vessel to be monitored.
4. Apply probe to area.
5. Set volume control to desired level.

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 and probe by wiping with a mild disinfectant and soft cloth.
3. Leave unit plugged in to maintain battery charge.

4. Any additional maintenance/service should be performed by authorized personnel.

V. REFERENCES

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

Approved:

Date: