STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

TITLE: **Sentry Digital Ultrasonic Cleaner**
SCOPE: Animal Care Personnel
RESPONSIBILITY: Facility Manager, Animal Care, and Research Personnel
PURPOSE: To Outline the Proper Procedures for Using and Maintaining Ultrasonic Cleaner Equipment

I.   PURPOSE

1. To establish appropriate procedures for the use and maintenance of ultrasonic cleaner equipment used to clean surgical instruments and lab equipment.

II.   RESPONSIBILITY

1. The Veterinarians oversee all aspects of animal health, and are assisted by all program staff.

2. Facility Managers ensure implementation of all procedures.

II.   PROCEDURES

1. Ultrasonic cleaning is an effective way to clean lab equipment by means of micron-sized bubbles. Ultrasonic cleaning works well without detergents added to the water. However, when oily residue or heavy bioburden is present it is recommended to use a detergent safe for the equipment being cleaned.

2. Open the lid and place items in the tank. Add water to the tank to cover the surface of the items. The water level should stay between the MIN and MAX mark.

3. Cleaning agents may be added to the water to enhance cleaning.

4. Plug unit into electrical socket and observe green LED light on right side come on. PRESS the "ON" button to turn unit on. The digital display will show 15:0 (default cycle time is 15 min). Press the "ON" button again to start the cleaning cycle. To select a different cleaning cycle press "SET" and select from the preset cycles.

5. When the timer counts down to "000" the unit will turn off. The unit can be stopped/paused at any time by pressing the "OFF" button. Pressing the "ON" button will resume the cleaning and countdown.

6. Pressing the "TC" button turns on the heater function and illuminates the red LED. Water will heat to a maximum of 65^0C. The heating cycle can be started at any time before or during the cleaning cycle

7. Pressing the "OFF" button for more than 2 seconds turns the display off and puts the unit in standby mode.

8. When cleaning is finished, unplug unit open lid and take out items. Pour out the water from the tank and wipe dry.

9. Using without water in the tank will shorten the life of the unit.

10. This unit has a circuit to prevent overheating. When the red light on the right side of the unit comes on, the circuit has been activated. If the unit is turned on with the "ON" button, the cycle will start counting down but ultrasonic waves will not be generated. Turn machine off for 15 minutes to let it cool down then press the "ON" button again. If the green light is on the unit is working normally.

Approved: **Date:**