

**STANDARD OPERATING PROCEDURES**  
**DIVISION OF COMPARATIVE MEDICINE**  
**UNIVERSITY OF SOUTH FLORIDA**

SOP#: 1136.1

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<b>TITLE:</b>	<b>Branson® Ultrasonic Instrument Cleaner</b>
<b>SCOPE:</b>	Research and Animal Care Personnel
<b>RESPONSIBILITY:</b>	Surgical Core Manager, and Professional & Administrative Staff
<b>PURPOSE:</b>	To Outline the Proper Procedures for Use and Maintenance of the Ultrasonic Instrument Cleaner.

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**I. PURPOSE**

1. The ultrasonic instrument cleaner uses ultrasonic sound waves to clean materials, parts and instruments.

**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 in its to operation.

**III. INITIAL SETUP**

1. Fill unit with water based cleaning agent and distilled water (in correct proportion for that agent) to the fill line.
2. Plug in unit and turn on **Power**. Cleaner will self-test for 3 seconds.
3. If solution has already been degassed, skip step #4.
4. When LED display shows **05**, and **SET DEGAS** function indicator lights up, set time for 5-10 minutes (may need to use **Set or Clear Display** buttons). Press **ON/OFF** to start degas process.

**IV. SETTING OPERATING PARAMETERS**

1. SET TIME – Default is 60 min. Use **Set or Clear Display** to alter the time setting. Press **ON/OFF** once to activate timed ultrasonics.
2. SET TEMP- Press **Select Option** until **SET TEMP LED** lights up. Press **Set Display** to alter the tank temperature to what you desire. Highest temp that can be set is 69° C. Press **ON/OFF** once to activate heat.

3. To monitor solution temperature, press **Select Option** until **SOLUTION TEMP LED** lights up. The LED display will indicate the solution's actual temperature.

## **V. CLEANING ITEMS**

1. Place items in a wire basket, perforated tray or suspend the items.
2. Slowly lower the tray/basket into tank.
3. Press **ON/OFF** once to activate ultrasonics.
4. When items are clean press **ON/OFF** once to deactivate ultrasonics. Slowly remove items/ basket /tray from cleaner.
5. Rinse items with clean warm water and dry.

## **VI. 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. Drain and rinse tank when solution becomes cloudy or flocculent.
3. Unplug unit and move to sink area.
4. Place clear plastic hose onto side drain port. Place in sink, open spigot until the tank is empty.
5. Wipe inside of tank with soft cloth.
6. Let air-dry.
7. DO NOT run unit with solution more than 3/8" below the operating level line with heat or ultrasonics on.
8. Notify Surgical Core Manager or Facility Manager immediately if unit does not operate properly.

## **VII. REFERENCES**

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

**Approved:**

**Date:**