

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

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TITLE:	Ohio IC Pediatric Incubator
SCOPE:	Research and Animal Care Personnel
RESPONSIBILITY:	Surgical Core Manager, and Professional & Administrative Staff
PURPOSE:	To outline the Proper Procedures for Use and Maintenance of the Ohio Intensive Care Pediatric Incubator.

I. PURPOSE

1. This procedure outlines the use and maintenance of the Ohio IC Pediatric Incubator used to provide supplemental warmth to support/maintain body temperature in research animals post-procedurally.

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 the use of the Ohio IC incubator.

III. INITIAL SETUP

1. **Plug in unit and turn on power** switch located on the right side on the unit.
2. **Select Temperature.** Default temperature is 33⁰ C (91.4⁰F). Temperature can be manually set by pressing the "Manual Mode" and "Control Temperature" button then pressing the up and down arrow buttons on the control panel. Temperature settings range from 28⁰ to 37.5⁰ C. (82.4 - 99.5⁰F)
3. Allow unit to warm up.
4. Press "**Environmental Temperature**" button to view inside temperature reading.
5. Inside temperature should be confirmed with a calibrated accessory thermometer.
6. Cover floor of unit with blue disposable under pads.
7. **Set temperature to approximately 29-32⁰C (~85-90⁰F)** and place patient into unit.
8. **Monitor patient and** adjust incubator temperature as needed based on patient's body temperature.

9. Anesthetized animals must be monitored continuously until capable of purposeful movement.
10. When animals are recovered from anesthesia to the extent they are capable of purposeful movement they may be left unattended provided the incubator temperature is set to 29-30.5⁰C (~84-87⁰F).

IV. SUPPLEMENTAL HUMIDITY

1. Add up to 1200 ml of distilled water to reservoir on left side of unit.
2. Set dial to desired humidity level.

V. 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** and sanitize interior of unit after each use.
3. **Sanitize** by wiping unit with Sporicidin or bleach solution.
4. Notify Surgical Core Manager or Facility Manager immediately if unit does not operate properly.

VI. REFERENCES

1. Refer to the manufacturer's instructions printed on the unit.

Approved:

Date: