

STANDARD OPERATING PROCEDURES

DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

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TITLE:	Thermometer/Hygrometer Certification
SCOPE:	Research and Animal Program Personnel
RESPONSIBILITY:	Facility Manager, All Animal Program Personnel
PURPOSE:	To Outline the Proper Procedures for Certifying Thermometers and Hygrometers Used in the Animal Facility.

1. The Facility Manager or designee may perform the annual certification of thermometers and hygrometers.
2. Certification must be performed using a certified NIST traceable standard or a new or recently certified unit that can be traceable to a NIST standard as a reference.
3. Each thermometer/hygrometer should be uniquely identified as to the room and/or area in which it is used. This can be done on the back of the unit with a label and/or permanent marker.
4. At least annually, and more often if a unit is suspected of being inaccurate, the Facility Manager, or their designee, collects all units in the facility and brings them to an area for evaluation and certification. Units should be decontaminated prior to being removed from or placed in an animal room.
- 5.

6. Temperature and humidity for each unit being evaluated and the reference standard are recorded on the ***Thermometer/Hygrometer Certification Record*** (CMD# #023).

7. The ***Thermometer/Hygrometer Certification Record*** includes the following information:
 - a. Date of certification
 - b. Unit model number
 - c. Unit serial number
 - d. Location of unit
 - e. Temperature of unit
 - f. Temperature of standard
 - g. Percent difference of temperature from standard
 - h. Humidity of unit
 - i. Humidity of standard
 - j. Percent difference of humidity from standard
 - k. Traceable reference number of standard
 - l. Status determined (calibrated, rejected)

8. The percent variation from the referenced standard is calculated by the following method:

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