

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

SOP#: 1141.1

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TITLE: Amsco® Eagle Stage III Autoclave Model SV3053
SCOPE: Research and Animal Care Personnel
RESPONSIBILITY: Facility Manager, Surgical Core Manager, Professional and Administrative Staff
PURPOSE: To Outline the Proper Procedures for Use and Maintenance of an Amsco® Eagle Stage III Autoclave Model SV3053 Pre Vacuum Sterilizer

I. PURPOSE

1. This procedure outlines the use and maintenance of the model SV3053 Amsco® Eagle Stage III autoclave unit used to sterilize surgical instruments, solutions, food, water, bedding, and equipment used for research and husbandry at the College of Medicine Facility.

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.

III. EQUIPMENT USE

Note: Operator should be familiar with **SOPs #1002 Monitoring Autoclave Sterilization, #1006 Autoclave Sterilization, and #1007 Verify Indicators** before operating this unit.

1. The SV3053 autoclave is programmed to automatically turn on at 6:30 A.M.
2. Allow unit to warm up until jacket pressure = 20 psi.
3. Check unit to ensure printer tape is present. Use Amsco® thermal printer tape #129359-008.
4. Place items to be autoclaved into chamber. Items should not be tightly stacked and arranged to facilitate the circulation and penetration of steam.
5. Set sterilize time to cycle 1-4.

6. Close door firmly and turn handle clockwise to tighten.
7. Push appropriate button for sterilization corresponding to the type of load and set timer to the following settings:
 - a. #1 Gravity- lab coats- sterilize time: 35 min. @ 250⁰, dry time: 10 min.
 - b. #2 Gravity- surg. packs- sterilize time: 15 min. @ 250⁰, dry time: 10 min.
 - c. #3 Liquid- filled water bottles- sterilize time: 45 min. @ 250⁰, dry time: 0.
 - d. #4 Prevac- cages, food- sterilize time: 7 min. @ 270⁰, dry time: 10 min.
8. A buzzer will sound when the cycle is complete indicating the load is finished.
9. After the pressure in the chamber reaches zero the door can be opened by turning the handle counterclockwise and the load carefully removed.

Caution: Autoclave unit and contents may be hot, wear appropriate protective equipment.

10. The SV3053 is programmed to automatically turn off at 6:30 P.M.

IV. MAINTENANCE

1. Periodically inspect and clean chamber if materials spill (e.g. food, bedding)
2. Keep outside of unit clean by using a stainless steel cleaner.
3. Autoclave units are tested and verified as to proper function in accordance with **SOP #1002** and this verification is recorded on the **Autoclave Sterilization Record** and maintained in accordance with **SOP #010**.
4. Routine maintenance and non-routine service is performed by an authorized subcontractor and is documented in writing.
5. Equipment that functions without deficiency, receives regular preventative maintenance, and successfully passes verifications at the prescribed intervals as per SOPs is considered certified.

V. REFERENCES

1. Refer to manufacturer's instructions for additional information.

Approved:

Date: