

STANDARD OPERATING PROCEDURES
DIVISION OF COMPARATIVE MEDICINE
UNIVERSITY OF SOUTH FLORIDA

SOP#: 1146

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Page 1 of 2

TITLE:	PRL Power Foamer
SCOPE:	Animal Care Personnel
RESPONSIBILITY:	Facility Manager and Technical Staff
PURPOSE:	To Outline the Proper Procedures for Use and Maintenance of a PRL Power Foamer

I. PURPOSE

1. This procedure outlines the use and maintenance of the PRL Power Foamer used for the application of a chemical solution (i.e., Virkon[®]S) in the form of thick foam.

II. RESPONSIBILITY

1. It is the responsibility of the Facility Manager to ensure that portable equipment is appropriately maintained in good working order.
2. It is the responsibility of the Facility Manager to ensure that technical staff using this equipment are adequately trained and experienced in the use of the PRL Power Foamer.
3. It is the responsibility of the technical staff using this equipment to read the equipment manual and understand the operation of the PRL Power Foamer and associated chemical use.

III. EQUIPMENT USE

1. Foaming, when done properly, reduces the likelihood of chemical splashes, the creation of aerosols, and provides extended contact time allowing the chemical more time to work (i.e., disinfect/clean).
2. **Preparing the power foamer:**
 - a. Fill 6 gallon container with chemical solution.
 - b. Secure container to cart with restraining belt.
 - c. Insert chemical pickup tube from foamer unit into container.
 - d. Ensure foamer is OFF prior to connecting to a grounded electrical receptacle.
3. **Operating the power foamer:**
 - a. Test GFCI power cord (see Safety section below).
 - b. While holding the foam gun firmly and pointing in a safe direction, turn foamer unit to the ON position.
 - c. Open the valve at the gun to discharge foam. If no foam is discharged, turn the FOAM ADJUSTMENT KNOB counter-clockwise until it stops, then press and hold the PRIME BUTTON for ten seconds and release.
 - d. Adjust the intensity of the foam by turning the FOAM ADJUSTMENT KNOB, clockwise for drier foam and counter-clockwise for wetter foam.

- e. Direct the foam onto the area to be cleaned/sanitized until all surfaces are covered. On vertical surfaces, start at the top and apply foam in a side to side motion working your way down.

4. **Shutting down the power foamer:**

- a. Remove chemical pickup tube from the chemical container and place in a container of clear warm water.
- b. Run the foamer until the system is flushed and no chemical or suds appear from the gun.
- c. Remove the pickup tube from the water and run foamer for one minute until all water is discharged from the system.
- d. Turn Toggle Switch to the OFF position.
- e. To clean outside of foamer and components wipe with a damp cloth.

IV. SAFETY

1. **Read the entire operating and safety instructions before operation.**
2. The foamer is equipped with a ground fault circuit interrupter (GFCI) power cord. This cord will provide protection against ground faults when used with a 3-wire electrical outlet and when the power source is properly grounded.
3. **Power foamer should be used only after the GFCI is tested and passes.** The GFCI cord can be tested as follows:
 - a. Plug unit into a 115 VAC, 20 AMP receptacle.
 - b. Press the TEST button on the GFCI; the FAULT light should come on.
 - c. Press the RESET button on the GFCI; the FAULT light should go off.
 - d. Test GFCI power cord before each use.
4. **To use the GFCI** to its fullest potential against electrical shock the following must be complied with:
 - a. Do not use a 3-wire to 2-wire adapter.
 - b. Do not remove grounding pin from the electrical plug.
 - c. Do not use an extension cord.
 - d. Do not immerse.
 - e. Do not use the GFCI as an OFF/ON switch.
 - f. Do not use the foamer if the FAULT light on the GFCI does not go off when the RESET button is pressed.
5. **Wear protective clothing** (i.e., gloves and eye protection) when operating the foamer.
6. **Chemicals used in the power foamer must be handled properly** and used in accordance with the manufacturer's label directions.

V. REFERENCES

1. Refer to the manufacturer's manual for additional information or contact Pharmecal Research Laboratories Inc. customer service at 1-800-243-5350.

Approved:

Date: