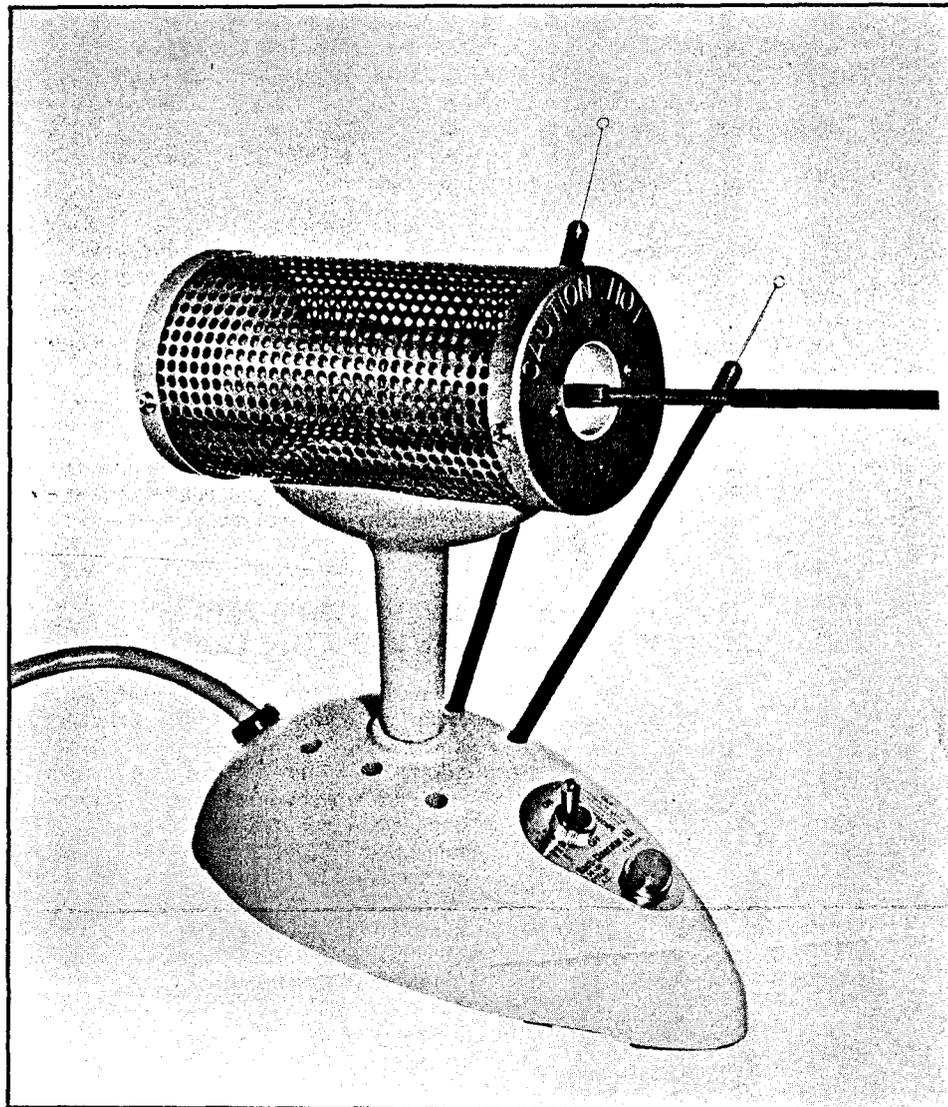


# BACTI-CINERATOR® III INSTRUCTION SHEET

The Bacti-Cinerator is a gasless, flameless sterilizer for use with inoculating loops and needles. Sterilization is accomplished through infrared heat without dangerous pattering of microorganisms. The base of the Bacti-Cinerator is weighted for stability and provides convenient storage for six loop holders.

## OPERATING INSTRUCTIONS

1. Remove any packaging that protects the Bacti-Cinerator from being damaged during shipment.
2. Plug the electrical cord into the appropriate outlet. A two prong adaptor may be used but the unit **must** be properly grounded.
3. The indicator light will come on when the toggle switch is in the "ON" position.
4. Ten minutes after the Bacti-Cinerator is plugged in, the optimum sterilizing temperature (1500°F/815°C) will be reached. The Bacti-Cinerator should be turned on at the beginning of the work day and left in the "ON" position throughout the day. The unit may be left on indefinitely without posing an electrical fire hazard. If the unit is not going to be used for extended periods of time, it can be left in the "OFF" position to conserve the life of the heater element.
5. Gently insert the loop or needle, attached to an insulated loop holder, into the heater element. Avoid scraping the sides of the element to ensure the longevity of your loop and heater element. The loop should be inserted toward the rear of the heater element to avoid spattering. The loop should remain within the heater element a minimum of five seconds. It is not necessary to obtain a glowing loop to ensure sterility. All the demonstrable micro-organisms will be destroyed within five seconds.



## PRECAUTIONS AND MAINTENANCE

1. Only insulated loop holders should be used when inserting inoculating loops or needles into the heater element.
2. The Bacti-Cinerator is not intended for use with scalpels, forceps or any sharp objects. The use of such objects can cause element malfunction and void the heater element warranty.
3. Visual inspection of the heater element should be performed periodically to determine if the heater element core is worn. Inspect for small cracks and residue buildup in both the cool and heated conditions. In the heated condition, cracks can be seen as small, intensely yellow-orange fissures. If any defects are noted, the heater element should be replaced before element malfunction occurs.
4. The inoculating loops and needles should not be allowed to set in the heater element for extended periods of time. This will cause the loop holder to become extremely hot and increase the wearing of the loops and needles.

120V IS  LISTED

**OXFORD**  
LABWARE

DIVISION OF SHERWOOD MEDICAL  
ST. LOUIS, MO 63103 U.S.A.

6640-01-252-5587

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# WARRANTY INFORMATION

The Bacti-Cinerator unit itself (without element) is warranted for one year against defects in material and workmanship. The warranted life of the Bacti-Cinerator Element is six months. If within the established warranty period the instrument is found to have such defects, repair or replacement will be made without charge by Monoject Scientific (transportation to the point of repair to be assumed by the purchaser). This warranty becomes effective when the ultimate user receives the product and will be based on proof of purchase or date of invoice. There are no other warranties expressed or implied, including any warranties of merchantability or fitness for a particular purpose.

Should damage to the instrument occur due to improper use or improper maintenance (failure to provide reasonable and necessary maintenance), this written warranty is void.

For return authorization and technical information, contact Monoject Scientific's Product Assurance Department at 1-800-325-8668 or 1-314-731-1500. Instruments without prior authorization will not be accepted.

For international customers, all in-warranty claims as well as out-of-warranty repairs and replacements must be handled by the dealer from whom the instrument was purchased. This dealer also maintains a stock of all the recommended customer replaceable repair parts.

## INSTALLATION OF BACTI-CINERATOR II AND III 100V AND 120V REPLACEMENT HEATER ELEMENT

### Important:

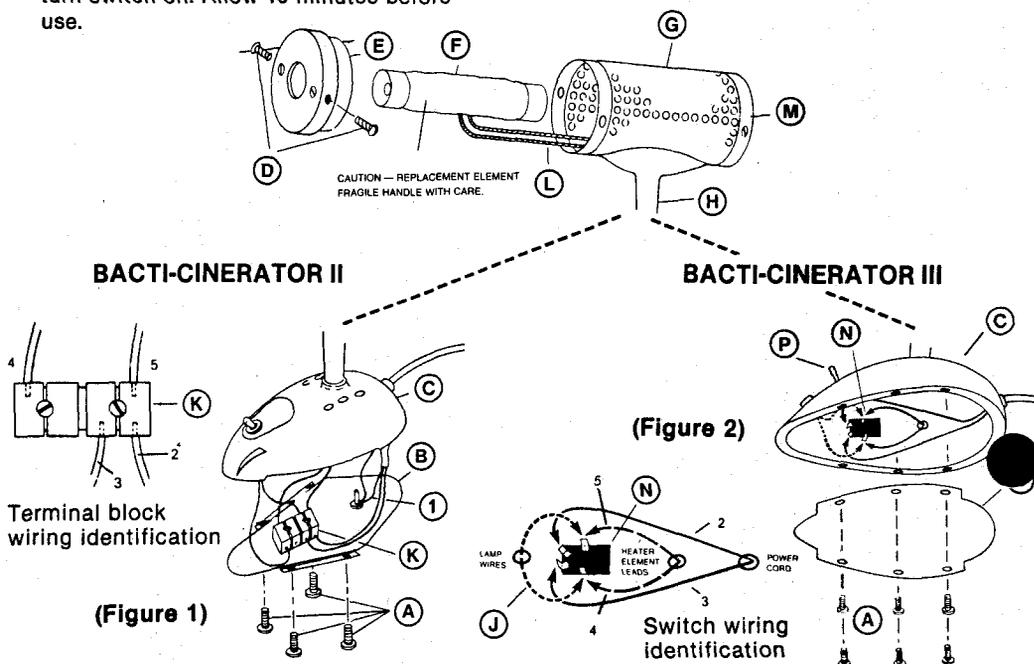
1. Turn Switch off and remove line cord from power source.
2. Allow Bacti-Cinerator to cool.
3. All repairs should be performed by qualified personnel.

### Installation:

1. Remove the screws (A) securing the cover plate (B) to the base.
2. For Bacti II - Loosen the 2 screws attaching the heater element leads to the terminal strip (K) and remove the 2 leads from the terminal strip. (Figure 1)
3. For Bacti III - On the outside of the unit loosen and remove the circular nut that encircles toggle switch (P). On the inside remove the 2 screws attaching the heater element leads and indicator lamp leads (J) to the switch (N) and remove the 2 heater element leads from the switch. (Figure 2)
3. Remove the 2 screws (D) releasing the front cap (E) from the cooling shield (G) and slide the front cap off.
4. To remove the heater element (F), pull the element out while allowing the element leads (L) to be drawn up through the base post (H).
5. To install the new element, reverse the procedure, feeding the element lead wires down through the base post (H), situating the element into the rear cap (M) tubular housing.
6. Make certain the element opening is facing towards the front cap (E) before attaching the screws (D) through the front cap (E) and cooling shield (G).
7. For Bacti II - The replacement element must have the lugs cut off and the wire stripped of insulation 1/4" from the end for insertion into the enclosed terminal block. Attach the heater element leads to the block (K) so that the voltage identified lead (4) and the neutral lead (5) are connected as shown in Figure 1.

For Bacti III - Attach the heater element leads to the switch (N), so that the voltage identified lead (4) and the indicator lamp lead (J) are attached to the same side as the black power cord lead (3). Attach the non-voltage identified lead (5) and the remaining indicator lamp lead to the same side of the switch as the neutral (white) (2) power cord lead. (See Figure 2.) Push toggle switch back through opening to the outside of unit and tighten circular nut. In the event you have a black/black/green power cord, the element lead without the voltage identity is to be attached to the neutral side of the switch and the lead bearing the voltage identity is to be attached to the "line" side of switch.

8. Check all electrical connections. Replace cover plate (B); make sure all leads are inside the base; fasten screws (A). Replace line cord at power source and turn switch on. Allow 10 minutes before use.



## ORDERING INFORMATION

| Product Number | Description                 |
|----------------|-----------------------------|
| 8889-001015    | 100V Bacti Cinerator        |
| 8889-001007    | 120V Bacti Cinerator        |
| 8889-001049    | 220V Bacti Cinerator        |
| 8889-001056    | 240V Bacti Cinerator (Eng.) |
| 8889-001023    | 240V Bacti Cinerator (Eng.) |
| 8889-001346    | Toggle Switch               |
| 8889-001312    | 100V Element                |
| 8889-001304    | 120V Element                |
| 8889-001338    | 220V Element                |
| 8889-001320    | 240V Element                |

### Calibrated Loops

| Product Number | Contained Volume | Loop Diameter | Length |
|----------------|------------------|---------------|--------|
| 8889-103100    | 0.01mL           | 4mm           | 25mm   |
| 8889-103118    | 0.01mL           | 4mm           | 70mm   |
| 8889-103001    | 0.001mL          | 1.45mm        | 70mm   |

### Inoculating Loops

| Product Number | Loop Diameter | B&S Gage | Length |
|----------------|---------------|----------|--------|
| 8889-101021    | 2mm           | 24       | 45mm   |
| 8889-101039    | 3mm           | 24       | 45mm   |
| 8889-101054    | 5mm           | 24       | 45mm   |
| 8889-101120    | 2mm           | 26       | 45mm   |
| 8889-101138    | 3mm           | 26       | 45mm   |
| 8889-101153    | 5mm           | 26       | 45mm   |
| 8889-101229    | 2mm           | 28       | 45mm   |
| 8889-101237    | 3mm           | 28       | 45mm   |
| 8889-102029    | 2mm           | 24       | 70mm   |
| 8889-102037    | 3mm           | 24       | 70mm   |
| 8889-102045    | 5mm           | 24       | 70mm   |
| 8889-102128    | 2mm           | 26       | 70mm   |
| 8889-102136    | 3mm           | 26       | 70mm   |
| 8889-102151    | 5mm           | 26       | 70mm   |
| 8889-102227    | 2mm           | 28       | 70mm   |
| 8889-102235    | 3mm           | 28       | 70mm   |

|             |                           |
|-------------|---------------------------|
| 8889-105105 | 8" Loop and Needle Holder |
| 8889-105006 | 6" Loop and Needle Holder |
| 8889-104009 | Inoculating Needle, 70mm  |

| POWER CORD WIRE COLOR | WIRE IDENT. | BACTI-CINERATOR UNIT NO. | ELEMENT REPLACEMENT NO. |
|-----------------------|-------------|--------------------------|-------------------------|
| GREEN                 | 1           | 100V - HRI 8889-001015   | 8889-001312             |
| WHITE                 | 2           |                          |                         |
| BLACK                 | 3           | 120V - HRI 8889-001007   | 8889-001304             |