OPERATING MANUAL



BACTI-CINERATOR STERILIZER

BSTE-101

CE ISO9001 CERTIFIED

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1. Introduction

The Bacti-Cinerator Sterilizer is a gasless, flameless sterilizer for use with inoculating loops and needles. Sterilization is accomplished through infrared heat without dangerous spattering of microorganisms. Before starting up this unit for the first time, please read the rest of this operation manual.

1.1 Structure Description



Figure 1

2 Safety

The operator should not attempt to open or repair the instrument. Doing it may void your warranty or subject to electric shocks. The company will responsible for the maintenance.
To avoid electric shock, the instrument input power cord must be grounded. This instrument uses a three-wire grounded plug, should be with the grounding-type power outlet.

If the power cord is damaged, it must be replaced by the same type cord. The power line do not close to anything. Do not place the power cord on the road.
Handheld plug the power cord plug. Should ensure that the plug is fully inserted into the socket and pull the plug instead of the cord.

During the normal operation, the heating body's temperature will be very high. There is possible to cause burns during the whole operation. Don't touch the surface of the instrument with any part of the heating body, so as not to be burnt!

3 Operation

3.1 Remove any packaging that protects the Bacti-Cinerator Sterilizer from being damaged during forwarding.
3.2 Plug the electrical cord into the appropriate outlet. The unit must be properly grounded.
3.3 The red indicator will light up when the switch is pressed to the "High" side. The optimum sterilizing temperature(825°C) will be reached in 20 minutes.

Note: If the unit keep the sterilizing temperature (825°C)
over three hours, please set the switch in "Low" side for half an hour. After 30 minutes, it can be switched to "High" side again. This will conserve the life of the heater element too. The green indicator will light up when the switch is to the "Low" side.
3.4 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 remain in the heater element not too long, 5-7 seconds is enough.
Make sure your glass culture tube with nothing in it.
3.5 Keep the input voltage between AC210-230V. When the input voltage exceed 230V, please stop using the equipment. It will conserve the life of the heater element.
3.6 Adjust the heating body angle
3.6.1. Loose the M3 screw by counterclockwise rotation with allen wrench
3.6.2. Adjust the angle of the heating body;
3.6.3. After adjusting the angle, tight the M3 screw by clockwise rotation.



Figure 2

4 Maintenance

4.1 Only insulated loop holders should be used when inserting inoculating loops or needles into the heater element.
4.2 The Bacti-Cinerator Sterilizer 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.
4.3 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.
4.4 The inoculating loops and needles should not be allowed to set in the heater element for extended periods of time. It will cause the loop holder to become extremely hot and increase the wearing of the loops and needles.
4.5 The red indicator light will come on when the switch is in the "High" position. Twenty minutes after the Bacti-Cinerator Sterilizer is plugged in ,the optimum sterilizing temperature(825°C) will be reached.
4.6 Notice: If the net power output voltage is greater than 10% of the rated voltage, turn off the power and stop using the machine.

5 Parameter

Model	BSTE-101
Power supply	AC220V / AC110V~ 50/60Hz
Power	400W
Highest temperature at core	825C 50C
Largest possible diameter of item to be sterilized	Φ35mm
Length of heating area	100mm
Heating time	20min
Fuse	250V 3A/5A, Φ5X20
Ambient temperature	5C ~40C
Dimension(WxDxH)	101x92x170 mm
Net weight	1.5kg

Table 1

6 Packing list

No.	Content	Model	Quantity
1	Bacti-Cinerator Sterilizer	BSTE-101	1
2	Operation Manual		1
3	Fuse	250V 4A (BSTE-101)	1
4	Certificate		1

Table 2

7. Warranty

Thank you for the using of our products, we will provide comprehensive after-sales service in accordance with the Consumer Protection Act.

8. Warranty content

Within a month from the delivery date, the cause of failure due to material and manufacturing defects, the Company will be responsible for the guarantee replacement.
Within 6 months from the delivery date, the cause of failure due to material and manufacturing defects for heating body, the company will prove to be defective instruments selected for repair or replacement .
Within 12 months from the delivery date, the cause of failure due to material and manufacturing defects for other parts, the company will prove to be defective instruments selected for repair or replacement

9. Warranty coverage

Result of improper using, damage caused by unauthorized repair or modification are not covered by warranty. Over the warranty period, the appropriate fees collected.

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com