

### **bacti-cinerator suitable for use in biosafety cabinets**

Bacti-cinerator is a high-temperature dry heat sterilization equipment designed for laboratory and field operation environment, mainly used for inoculation rings, inoculation needles and other small metal utensils for rapid and reliable sterilization treatment.

Bacti-cinerator adopts infrared ceramic heating technology to achieve high temperature sterilization without the help of open flame, which is a modern microbiology experiment to replace the traditional alcohol lamp.

#### **Main Features of Bacti-cinerator**

1. high temperature sterilization efficiency: built-in infrared heating element, can quickly warm up to more than 800 °C, in 5 to 7 seconds to complete the sterilization process.
2. ready to use: no need to preheat, power immediately available, suitable for frequent operation.
3. high safety: no open flame, no gas volatilization, to avoid fire and laboratory smoke pollution and other safety hazards.
4. strong portability: compact body design, suitable for biosafety cabinets, clean bench, mobile vehicles and field research environment.



5. a wide range of applications: support for sterilization instruments with a diameter of 35mm, the total length of the heating area up to 100mm, to adapt to a variety of inoculation tools.
6. solid structure, long service life: the use of high-quality stainless steel materials and high-performance ceramic heating body, easy maintenance, durable.

### **Technical Advantages of Bacti-cinerator**

1. alternative to the traditional alcohol lamp: no flammable liquid is needed, eliminating the inconvenience and danger brought by the traditional open-flame operation.
2. energy saving and environmental protection: low power consumption, heat concentration, in line with the concept of green laboratory.
3. rapid sterilization: suitable for high-frequency operations, such as high-throughput strain screening, batch inoculation and other experimental processes.

### **Working Principle**

Bacti-cinerator adopts infrared ceramic heating principle, which conducts heat directly to the surface of metal utensils through the heating tube to rapidly inactivate bacteria, viruses and their spores. Compared with alcohol lamp or open flame, infrared sterilization can precisely control the heating area and temperature, avoiding local overheating or incomplete sterilization.

### Application Areas

1. Microbiology laboratory strain isolation, culture.
2. Medical schools and scientific research units.
3. Food, drug and water quality testing laboratory.
4. Field testing or mobile laboratory vehicle.
5. Field sampling and immediate analysis of the scene.

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<b>Model</b>	<b>NT10B</b>
Maximum Temperature at Center Zone	825°C±25°C
Maximum Diameter of Sterilized Item	diameter 35mm
Total Length of Heating Zone	100mm
Heating Time	15 minutes
Fuse	250Vac, 3A, 5x20mm
Dimensions	130x120x200mm

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<b>Model</b>	<b>NT10B</b>
Weight	1.3kg
Power Supply	230Vac, 50Hz-60Hz, 250W