Bacti-cinerator Sterilizer - Infrared Loop and Needle Sterilizer - 825°C - 35 mm Heating Hole

Model **MSBCS-800BSWISS** | Brand **Master Science**





The Master Science Bacti-cinerator Sterilizer is a flame-free heater for sterilizing inoculating loops, needles and small tools in microbiology work. It replaces the alcohol lamp or Bunsen burner, which makes it practical inside biological safety cabinets, clean benches, anaerobic chambers and mobile laboratories where an open flame is unsafe or disturbs airflow.

KEY HIGHLIGHTS

- No open flame
- Seconds per loop
- Wide opening
- Light and compact

AT A GLANCE

5 to 40°C
AMBIENT TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

The core of the heating hole reaches 825°C ±25°C, so a loop is sterilized in about 5 to 7 seconds once the unit is up to temperature. With a 35 mm opening and a 100 mm heating zone, the Master Science Bacti-cinerator Sterilizer accepts wider tools as well as standard loops.

> Open flames are a hazard in modern microbiology workspaces. The Master Science Bacti-cinerator Sterilizer helps with:

Overview

- Central heating zone 825°C ±25°C
- Heating area length 100 mm
- Maximum item diameter 35 mm

Key Benefits

No open flame
Removes the fire risk and airflow disturbance of alcohol lamps in safety cabinets.

Seconds per loop
At 825°C a loop is sterilized in 5 to 7 seconds.

Wide opening
A 35 mm heating hole accepts larger tools than standard loop sterilizers.

Light and compact
At 1.3 kg it moves easily between benches and cabinets.

For a smaller opening with higher temperature, see our infrared loop sterilizer.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSBCS-800BSWISS
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General	Max. Temperature in Central Zone: 825°C ± 25°C
General	Max. Outer Diameter of Items: Ø35 mm
Heat-up Time	15 min
Sterilization Time	5 to 7 seconds at temperature
Fuse	250 V, 3 A, 5 × 20
Ambient Temperature	5 to 40°C
Fire risk from alcohol lamps	Electric infrared heating removes the open flame.

DIMENSIONS & WEIGHT

Length of Heating Area	100 mm
Dimensions (W × D × H)	130 × 120 × 200 mm
Weight	1.3 kg

POWER

Power	250 W
Voltage	AC 110 V or 220 V, 50/60 Hz

PROBLEMS THE MASTER SCIENCE BACTI-CINERATOR STERILIZER SOLVES

Disturbed laminar airflow	No flame means no convection plume inside the cabinet.
Crowded work surfaces	The compact 130 × 120 mm footprint fits easily inside a cabinet.
Slow sterilization	High core temperature finishes each loop in seconds.

Use

Suitable for biological safety cabinets and clean benches

Can be used in anaerobic chambers

Suitable for mobile laboratories

Applications

The Master Science Bacti-cinerator Sterilizer is used for
Sterilizing inoculating loops and needles Microbiology work inside biological safety cabinets Anaerobic chamber procedures Clinical and food testing laboratories Mobile and field laboratories

Design

- Compact, lightweight body
- Perforated protective guard around the heater
- Front on/off switch

Standard Accessories Included

- Bacti-cinerator sterilizer with power cord