

IRBACTI - Microbiological Inoculation Loops Sterilizer

Product Details

Product Number

PRO4947



Technical Specification:

Compact, safe, and fast **electric sterilizer for inoculating loops and needles**, designed to replace open-flame alcohol lamps/Bunsen burners in microbiology workflows. Highest central-zone temperature up to **~825 °C** enables rapid flame-free sterilization in just **~5–7 s**. *COLO.Science* recommended pick for culture preparation benches and biosafety cabinets.

Why electric vs. Bunsen flame?

- **Flame-free safety** — no open flame, no alcohol lamp; reduces fire risk and aerosol ignition hazards in confined lab spaces and near solvents.
- **Clean & contained heating** — closed heating tube minimizes splatter and airborne contamination during loop incineration.
- **Cabinet-friendly** — suitable for use in **biosafety cabinets/clean benches** and even anaerobic chambers, where open flames are restricted.
- **Fast workflow** — reach sterilizing temp quickly; loop tips are re-usable within seconds, keeping plating/routine transfers continuous.

Main applications

Microbiological culture work on benches, inside biosafety cabinets and clean benches, beside exhaust fans, mobile lab vans, and other demanding environments.

Quick specs

IRBACTI - cinerator Sterilizer — Quick Specifications

COLO.Science Flame-free electric sterilization for inoculating loops & needles.

Highest temperature at core	825 °C ± 25 °C
Largest item diameter (to be sterilized)	φ15 mm
Length of heating area	140 mm
Warm-up (heating) time	15 min
Power	150 W
Voltage / frequency	AC 220 V or AC 110 V, 50–60 Hz
Fuse	250 V / 3 A, 5×20 mm
Ambient operating temperature	5–40 °C
Dimensions (W × D × H)	120 × 155 × 180 mm
Net weight	~1.0 kg

Why choose IRBACTI over Bunsen?

Electric, flame-free sterilization avoids open-flame risks and alcohol lamps, reduces aerosol ignition hazards, and keeps heat contained inside the ceramic tube.

The result is cleaner workflows with less splatter, consistent exposure of the loop tip to a controlled high-temperature zone, and compatibility with biosafety cabinets and clean benches where flames are restricted. Fewer consumables, faster turnaround between streaks, and a safer bench add up to higher throughput and confidence during routine transfers.

Accessories:

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