

SIRIUS MICRO-INCINERATOR

Flameless, aerosol-free
loop sterilization.

An electric loop sterilizer and Bunsen burner alternative. It sterilizes inoculation loops and needles inside a quartz tube in approximately 2–4 seconds.

[Request a quote](#)siriusmikro.com/en/micro-incinerator-request-a-quote**Manufacturer service**

All parts from us

Fast worldwide shipping

From stock, micro-export

2-year warranty

Manufacturer warranty

All brands serviced

On site or by shipping

~1000 °CSterilization
temperature**2–4 s**

Loops and needles

12 V

Heater voltage

270°

Rotation

2 years

Warranty

WHY SIRIUS

No flame, no gas

Plug it in and use it.
No gas line, tubing or
open flame.

Prevents aerosols

The sample is sterilized
inside the quartz tube, so
liquid samples do not
form aerosols.

**Safe for
cabinet filters**

Does not disturb
the airflow in a
biosafety cabinet.

Use with gloves

Comfortable to use with
gloves. The outer surface
can be touched during
operation.

TECHNICAL SUMMARY

Supply	230 V mains
Heater voltage	12 V (internal transformer)
Sterilization temperature	Approximately 1000 °C
Weight	1.8 kg
Warranty	2 years

Quartz tube size	Ø22 mm × 100 mm
Sterilization chamber	Quartz tube
Rotation	270°
Sterilization time	Approximately 2–4 seconds
Use	Loops, needles, tube mouths, slide fixation

For further details such as weight, power and body dimensions, please contact us.



HOW IT WORKS

1

Switch on

Plug the device into a 230 V supply. The internal transformer powers the heater at 12 V.

2

Place the loop or needle

Put the loop or needle into the device's quartz tube. No aerosol is formed.

3

Done

The instrument is sterilized in approximately 2–4 seconds. You can also sterilize tube mouths and fix slides.

COMPARISON WITH A BUNSEN BURNER

	GAS BUNSEN BURNER	SIRIUS
Energy	Natural gas or bottled gas	Electricity
Open flame	Yes	None
Aerosol	Can form in the flame	Prevented in the quartz tube
Biosafety cabinet	Can affect airflow and filter	Does not disturb airflow or damage the filter
Extra equipment	Tubing, stand, gas connection	Not required

APPLICATIONS

- Clinical and hospital microbiology laboratories
- Work inside biosafety cabinets
- Pathology and cytology (slide fixation)
- University, research and teaching laboratories

FROM THE MANUFACTURER

- Sales and invoicing directly from the manufacturer
- Always in stock; fast worldwide shipping as micro-export
- Manufacturer technical service and spare parts

TECHNICAL SERVICE AND SPARE PARTS

Device not working? Do not intervene, contact us

As the manufacturer, we supply and replace all parts, either on site or after you send the device to us. We service all brands and models.

Heating element block replacement

Fan replacement

Transformer replacement

Quartz tube replacement

Safety: The device contains parts that carry mains voltage. Do not open it or try to replace parts. If it fails, unplug it and contact us.

For quotes and service

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Request a quote



Service request