



# PLASMATICO

Revolutionary plasma sterilization  
for Healthcare and Laboratories



## Key benefits

### Ultra-Low Operating Costs & Long-Term Savings

Each sterilization cycle cost is <10 cents, reducing operational expenses while eliminating the need for costly and regulated chemicals or vacuum system maintenance.

### No Hidden Costs – No Additional Purchases

Forget about expensive sterilization agents, Plasmatico operates efficiently without recurring supply costs or compliance burdens.

### Optimal for Gentle and Sensitive Materials

Designed for optical instruments, electronics, and heat-sensitive instruments, Plasmatico ensures safe and effective sterilization without thermal or chemical damage.

## Use Cases



### Medical and Healthcare

**Surgical tools:** Designed to keep surgical instruments free of microorganisms without the use of heat or chemicals, ensuring safer procedures and extended instrument longevity for users.

**Sensitive electronics and optical instruments:** Designed to effectively sterilize endoscopes, cameras, and microscopes, protecting both your equipment and your patients.

**Reusable medical equipment:** Protects and sterilizes fragile items that can't tolerate high temperatures or liquids, ensuring reliable use.

**Personal belongings for immunocompromised patients:** Ensures a hygienic environment by sterilizing toys, accessories, and daily-use items, safeguarding those with compromised immune systems, including pediatric patients.



### Laboratories

**Sample preparation:** Keeps your containers, pipettes, and lab tools sterile and ready for use, ensuring accurate and contamination-free results.

**Biological safety:** Reduces infection risks by decontaminating used materials, and maintaining a clean work environment.

**Cleaning of lab-on-chip devices:** Designed to protect and extend the lifespan of delicate components essential for chemical and biological analysis.

**Materials for DNA/RNA work:** Minimizes cross-contamination risks in sensitive molecular biology tasks, ensuring reliable and accurate results.

# Overview of Key Specifications

**Visual Confirmation:** Optical indicators signal the completion of the sterilization process.

**Operational Safety:** Optical signalling, airtight front door, bottom spacer grid, electronic door lock during operation.

**Operating Temperature:** Approx. 10–45 °C

**Plasma Generator Lifespan:** 2 000 hours

**Power Adapter Type:**

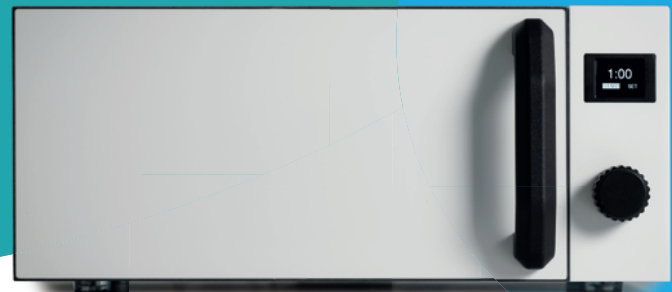
Input: 100–240 VAC, 47/63 Hz, 0.45A–1A

Output: 9V ~ 4A, 36W max.

**Chamber:** 320 x 370 x 140 mm;  
instrument size: 525 x 360 x 235 mm;

The device is **easily portable**, weighing only 12 kg.

Maximum load of items for sterilization: 5 kg.



## Tested Microorganisms

The Plasmatico has been rigorously tested and proven effective against a wide range of viruses and bacteria, ensuring reliable decontamination in critical environments. Below is a selection\* of microbiological agents successfully eliminated from various surfaces within 120 minutes:

Microorganism	Type	Strain/Source
Influenza A	Virus	H1N1/California/07/2009
SARS-CoV-2	Virus	hCoV-19/NRL_6632_2/2020
Human Rhinovirus	Virus	species A/type 2, ATCC VR-482
Human Adenovirus	Virus	species C/type 2, ATCC VR-846
Monkeypox Virus	Virus	hMpxV/Czech Republic/MHI-001/2022
Escherichia coli	Bacteria	Wild type
Pseudomonas aeruginosa	Bacteria	PAO1
Methicillin-resistant Staphylococcus aureus	Bacteria	ATCC 43300

Plasmatico effectively decontaminates pipette tips with filters, significantly reducing microbial DNA contamination. For optimal results, the manufacturer recommends a 3-hour sterilization cycle, ensuring safe reuse in sensitive molecular biology applications.

\*The list is not exhaustive.



### Contact Information

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Plasmatico is your solution for precise and reliable decontamination of more than sensitive optical instruments and electronics in healthcare and laboratories. Let us help you achieve superior standards!