Plasma Gel Maker - Heating and Cooling Block for 1-5 mL Syringes - 10-90 °C - Dual Bins

Model **MSDBI-GM5SWISS** | Brand **Master Science**





The Master Science Plasma Gel Maker heats and then cools plasma in syringes to turn it into a gel, using a controlled heating and cooling system. It has two independent bins, one for heating and one for cooling, each holding syringes from 1 to 5 mL and each with its own timer.

KEY HIGHLIGHTS

- Heat and cool in one unit
- Fast process
- One-key operation
- Accurate timing
- Safe

AT A GLANCE

10 to 90 °C
TEMPERATURE RANGE

±1 °C
CONTROL ACCURACY

1 to 5 mL syringes, 10 positions (heating or cooling)
CAPACITY

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

support@themsci.com
www.themsci.com

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Overview

Heating from room temperature to 90 °C takes under 10 minutes and cooling back from 90 °C takes under 4 minutes. Two pre-loaded programs start with one key, and an alarm sounds when the run finishes.

Key Benefits

Heat and cool in one unit
the Master Science Plasma Gel Maker has two independent bins.

Fast process
under 10 min heating and under 4 min cooling.

One-key operation
two stored programs.

Accurate timing
timer starts once the set temperature is reached.

Safe
110 °C cut-out and end-of-run alarm.

For general sample heating, see Master Science dry baths and laboratory instruments.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSDBI-GM5SWISS
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Capacity	**1 to 5 mL syringes, 10 positions (heating or cooling)**
Bins	Separate heating and cooling bins, independently timed
Temperature Range	**10 to 90 °C**
Control Accuracy	**±1 °C**
Safety Cut-out	110 °C
Timer	0 s to 99 min 59 s, 1 s steps; timing starts at set temperature
Heating Time	RT to 90 °C in < 10 min
Cooling Time	90 °C to RT in < 4 min
Operation	Timed or continuous
Programs	2 pre-loaded
Ambient Conditions	5 to 40 °C, 80 % RH

DISPLAY & DATA

Setting Step / Display	1 °C / 0.1 °C
Display	Dual LED (temperature and time)

POWER

Power	260 W
Power Supply	AC 110 or 220 V, 50/60 Hz

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	330 × 220 × 130 mm
Net / Gross Weight	4.2 kg / 5.5 kg

COMMON PROBLEMS AND HOW THIS GEL MAKER HELPS

Common Problems and How This Gel Maker Helps	How the Master Science Plasma Gel Maker simplifies plasma gel preparation:
Separate devices for heating and cooling	both bins in one unit.
Waiting for gels to cool	active cooling under 4 minutes.
Inconsistent timing	automatic timer start at temperature.
Overheating risk	110 °C safety cut-out.

Applications

The Master Science Plasma Gel Maker is used for
Preparing plasma gel in syringes Medical aesthetic clinics Heating and cooling of syringe samples Timed thermal treatment at up to 90 °C

Thermal

- 10 to 90 °C
- Built-in cooling system
- ±1 °C control

Capacity

- 1 to 5 mL syringes
- 10 positions
- Two independent bins

Control

- Dual LED display
- Two preset programs
- End-of-run alarm