Mould Incubator 150-450 L, 4 to 60°C, PID Control, UV Lamp and Viewing Window, Fungal Culture

Model **MSICB-M150ZSWISS,MSICB-M250ZSWISS,MSICB-M350ZSWISS,MSICB-M450ZSWISS** | Brand **Master Science**





The Master Science Mould Incubator is designed for growing and screening moulds, fungal spores and other microorganisms that need steady, moderate temperatures. Its range of 4 to 60°C covers both cool and warm culture conditions, with ±0.5°C fluctuation and ±1°C uniformity.

KEY HIGHLIGHTS

- Built for fungi
- Keeps the chamber clean
- Watch cultures through the door
- Even growth on every shelf

AT A GLANCE

4-60°C TEMPERATURE RANGE	**150 / 250 / 350 / 450 L** CAPACITY
900 / 1000 / 1100 / 1600 W POWER CONSUMPTION	**±1°C** UNIFORMITY

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

support@themsci.com
www.themsci.com

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Overview

Air is drawn in at the back and supplied from the bottom by a large-impeller fan, and laser-perforated shelves let it pass evenly around plates and flasks. A UV disinfection lamp and an LED light are fitted at the top of the chamber, and a viewing window in the door lets you check cultures without opening it. Four sizes are available from 150 to 450 litres.

For BOD work with in-chamber instruments, see our BOD cooling incubator with internal socket next to the Master Science Mould Incubator.

General incubators often struggle with cool-temperature fungal work and contamination. The Master Science Mould Incubator addresses:

Key Benefits

Built for fungi
The Master Science Mould Incubator holds 4-60°C for mould screening and spore culture.

Keeps the chamber clean
A UV lamp disinfects between runs.

Watch cultures through the door
The built-in window avoids unnecessary openings.

Even growth on every shelf
Back-suction, bottom-supply airflow and perforated shelves.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSICB-M150ZSWISS,MSICB-M250ZSWISS,MSICB-M350ZSWISS,MSICB-M450ZSWISS
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Capacity	**150 / 250 / 350 / 450 L**
Circulation	Forced air convection
Temperature range	**4-60°C**
Fluctuation	±0.5°C
Resolution	0.1°C
Uniformity	±1°C
Sensor	PT100
Controller	PID
Timer	1-9999 min
Chamber	Brushed stainless steel
Exterior	Electro-galvanized steel, antimicrobial powder coating
Shelves	3 or 4 depending on size, adjustable
Lighting and disinfection	LED light and UV lamp at chamber top
Test port	Optional Ø25, 50, 80 or 100 mm
Safety	Leakage protector; over-temperature sound and light alarm; self-diagnosis
Display	LCD

DIMENSIONS & WEIGHT

Internal dimensions (W×D×H)	505 × 380 × 800 / 550 × 450 × 1050 / 550 × 550 × 1150 / 700 × 550 × 1200 mm
External dimensions (W×D×H)	630 × 600 × 1450 / 680 × 660 × 1710 / 680 × 770 × 1870 / 830 × 750 × 1860 mm
Weight	120 / 140 / 170 / 200 kg

POWER	
Power supply	220 V, 50 Hz
Power consumption	900 / 1000 / 1100 / 1600 W

CULTURE PROBLEMS THE MASTER SCIENCE MOULD INCUBATOR SOLVES	
Unstable low temperatures	Active control holds settings down to 4°C.
Cross-contamination between batches	The UV lamp disinfects the chamber.
Disturbing cultures to check them	The viewing window shows plates without opening.
Hot spots in the chamber	Engineered airflow keeps temperature even.

Applications

The Master Science Mould Incubator is used for
Mould screening and identification Fungal spore culture Microbial tissue and cell culture Food and drug preservation tests Seed germination studies

Temperature control

- PT100 sensor with PID control
- Adaptive control that adjusts to ambient and load
- Silicone door seal to limit heat loss

Operation

- High-definition LCD with screen lock
- Menu operation for temperature and time
- Fixed-value and timed running with END alert
- Self-diagnosis with fault display

Chamber

- Brushed stainless steel interior
- Laser-perforated shelves, 30 mm minimum spacing
- LED light and UV disinfection lamp
- Viewing window and anti-scald handle

Standard Accessories Included

- Mould incubator
- Shelves (3 or 4 depending on size)

Optional Accessories

- Independent temperature limiting controller
- Programmable LCD controller with USB, RS485/232 or printer
- Test port Ø25, 50, 80 or 100 mm