Microplate Incubator Shaker, 2 Plates, RT+5-80°C ±0.3°C, 200-1500 rpm, Dual Heating

Model **MSDBI-PS80-2SWISS** | Brand **Master Science**





The Microplate Incubator Shaker mixes and incubates samples in ELISA plates (96 and 384-well) and cell culture plates (24, 48 and 96-well) at a controlled temperature. It holds two plates and heats from RT+5°C to 80°C with ±0.3°C control accuracy and ±0.3°C uniformity.

KEY HIGHLIGHTS

- ±0.3°C Control
- Heating from Both Sides
- Mix While Incubating
- Compact and Quiet

AT A GLANCE

RT+5°C to 80°C TEMPERATURE RANGE	**200-1500 rpm** SPEED RANGE
2 microplates CAPACITY	**±0.3°C** TEMPERATURE CONTROL ACCURACY

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

support@themsci.com
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Overview

Microprocessor control with PID heats each plate from both above and below while a 2 mm horizontal orbit shakes at 200 to 1500 rpm. The Microplate Incubator Shaker shows temperature, time and speed on an LCD, sounds an alarm when the run stops, and includes multiple safety protections in a small, light, quiet body.

For six plates with a heated lid up to 100°C, see our Microplate Thermo Shaker Incubator, a larger option next to the Microplate Incubator Shaker.

Plate incubation without a dedicated unit leads to the issues below. The Microplate Incubator Shaker handles each one.

Key Benefits

±0.3°C Control
Tight temperature accuracy and uniformity give repeatable incubation results.

Heating from Both Sides
The microplate is heated from above and below for even warming.

Mix While Incubating
Shaking at 200-1500 rpm runs during incubation.

Compact and Quiet
A small, light body with low noise fits crowded benches.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSDBI-PS80-2SWISS
SKU	MSDBI-PS80-2SWISS
Capacity	**2 microplates**
Compatible Plates	96/384-well ELISA plates; 24/48/96-well cell culture plates
Temperature Range	**RT+5°C to 80°C**
Temperature Control Accuracy	**±0.3°C**
Temperature Uniformity	±0.3°C
Heating Time	15 min (20 to 80°C)
Heating	Top and bottom heating of the microplate
Timer	0-99 h 59 min
Speed Range	**200-1500 rpm**
Orbit / Mode	2 mm, horizontal rotation
Control	Microprocessor with PID
Display	LCD showing temperature, time and speed
Alarm	Alarm after stop
Power	150 W
Dimensions (L × W × H)	280 × 278 × 150 mm
Packing Size (L × W × H)	410 × 410 × 255 mm
Weight	6.2 kg

PROBLEMS THE MICROPLATE INCUBATOR SHAKER SOLVES

Temperature drift between runs	Control accuracy and uniformity are ±0.3°C.
Uneven heating from one side only	Plates are heated from above and below.
Static incubation gives poor mixing	Shaking at 200-1500 rpm runs during incubation.
Missed end of incubation	An alarm sounds after the run stops.

Applications

ELISA incubation with mixing

Cell incubation in 24/48/96-well culture plates

Enzyme reactions in 96 and 384-well plates

Temperature-controlled mixing of plate samples

Temperature

- RT+5°C to 80°C range
- ±0.3°C control accuracy and uniformity
- Top and bottom heating of the plate
- Microprocessor PID control

Shaking

- 200-1500 rpm
- 2 mm horizontal orbit

Operation and Safety

- Holds 2 microplates
- LCD shows temperature, time and speed
- Timer up to 99 h 59 min with alarm after stop
- Multiple safety protections

Standard Accessories Included

- Microplate incubator shaker main unit

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.