2-Plate Microplate Thermo Shaker, RT+5-80°C, 200-1600 rpm, 3 mm Orbit, Knob Control

Model **MSDBI-PR80-2SWISS** | Brand **Master Science**




Front View with LCD and Control Knob


Lid Open with Two Microplates Loaded

The 2-Plate Microplate Thermo Shaker combines heating and orbital shaking for two ELISA plates (96 and 384-well) or tissue culture plates (24, 48 and 96-well). It controls temperature from RT+5°C to 80°C with ±0.5°C accuracy and uniformity, and shakes at 200 to 1600 rpm on a 3 mm orbit.

KEY HIGHLIGHTS

- Heat and Shake Together
- Tight Temperature Control
- Simple Operation
- Run Continuity

AT A GLANCE

200-1600 rpm
SPEED RANGE

2 microplates or culture plates
SAMPLE CAPACITY

150 W
POWER CONSUMPTION

RT+5°C to 80°C
TEMPERATURE RANGE

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Overview

A direct brushless DC motor and PID temperature control keep both shaking and heating stable. The 2-Plate Microplate Thermo Shaker is set with a single knob, shows status on an LCD, sounds an alarm when the timer ends and resumes running automatically after a power outage.

For six plates with independent timers, see our Microplate Thermo Shaker Incubator, the larger sibling of the 2-Plate Microplate Thermo Shaker.

Small labs incubating plates face the issues below. The 2-Plate Microplate Thermo Shaker resolves each one.

Key Benefits

Heat and Shake Together
Incubation up to 80°C and shaking up to 1600 rpm run in one compact unit.

Tight Temperature Control
PID control gives ±0.5°C accuracy and uniformity across the plates.

Simple Operation
One knob sets temperature, speed and time.

Run Continuity
Power recovery restarts the run after an outage.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSDBI-PR80-2SWISS
SKU	MSDBI-PR80-2SWISS
Sample Capacity	**2 microplates or culture plates**
Compatible Plates	96/384-well ELISA plates; 24/48/96-well tissue culture plates
Temperature Range	**RT+5°C to 80°C**
Temperature Accuracy	**≤ ±0.5°C**
Temperature Uniformity	≤ ±0.5°C
Display Resolution	0.1°C
Heating Time	≤ 10 min (RT to 80°C)
Heating Element	Heating film
Speed Range	**200-1600 rpm**
Orbit	3 mm
Timer	1 min - 99 h 59 min, alarm at end
Motor	Direct brushless DC motor
Temperature Control	PID
Control	One-touch knob
Display	LCD
Power Recovery	Yes
Power Consumption	150 W
Power Supply	AC 100-240 V
Dimensions (W × D × H)	270 × 280 × 140 mm
Net Weight	7.0 kg

PROBLEMS THE 2-PLATE MICROPLATE THERMO SHAKER SOLVES

Separate incubator and shaker take bench space	One compact unit heats and shakes two plates.
Uneven well temperatures	Uniformity is ±0.5°C.
Long warm-up before assays	It reaches 80°C from RT in 10 minutes or less.

POWER

Runs stop after a power cut	Power recovery continues the run automatically.

Applications

- **ELISA incubation with shaking**
- **Shaking culture in 24/48/96-well tissue culture plates**
- **Immunoassays in 96 and 384-well plates**
- **Temperature-controlled reagent mixing in plates**

Temperature

- RT+5°C to 80°C range
- ±0.5°C accuracy and uniformity, 0.1°C display
- Heating film reaches 80°C from RT in 10 min or less
- PID intelligent temperature control

Shaking

- Direct brushless DC motor
- 200-1600 rpm on a 3 mm orbit

Operation

- Holds 2 microplates or culture plates
- One-touch knob and LCD status display
- Timer up to 99 h 59 min with completion alarm
- Automatic power recovery

Standard Accessories Included

- Microplate thermo shaker main unit

Optional Accessories

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