Thermo Shaker Dry Bath - Heated Lid Block Heater and Mixer - 0-105 °C - 200-3000 rpm

Model **MSDBI-R3000SWISS** | Brand **Master Science**





The Master Science Thermo Shaker Dry Bath heats and shakes samples at the same time, combining a PID-controlled block heater with a brushless DC orbital mixer (2 mm orbit, 200 to 3000 rpm). It is used for incubation, enzyme reactions and deactivation, catalysis, mixing and short-term holding of samples.

KEY HIGHLIGHTS

- Heat and mix together
- No condensation on caps
- Quicker turnaround
- Multi-step methods
- Quiet and durable

AT A GLANCE

0 to 105 °C TEMPERATURE SETTING	**200 to 3000 rpm, 2 mm orbit** SPEED RANGE
heated lid. EVAPORATION FROM SMALL VOLUMES	**≤ ±0.3 °C / ≤ ±0.3 °C** ACCURACY / UNIFORMITY

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

support@themsci.com
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Overview

An independently controlled heated lid up to 110 °C prevents condensation and evaporation on tube caps, and a built-in fan shortens cooling time after a run. Interchangeable blocks fit PCR plates and 0.5 to 2 mL tubes.

Key Benefits

Heat and mix together
the Master Science Thermo Shaker Dry Bath replaces a separate heater and mixer.

No condensation on caps
independent heated lid.

Quicker turnaround
fan-assisted cooling.

Multi-step methods
10 programs with up to 5 steps.

Quiet and durable
brushless DC drive.

For plasma gel syringes, see the Master Science plasma gel maker.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSDBI-R3000SWISS
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Temperature Setting	0 to 105 °C
Temperature Control	RT +5 °C to 105 °C
Accuracy / Uniformity	**≤ ±0.3 °C / ≤ ±0.3 °C**
Heating Time	≤ 10 min (25 to 100 °C)
Fan Cooling	≤ 12 min (100 to 37 °C)
Speed Range	**200 to 3000 rpm, 2 mm orbit**
Motor	Brushless DC
Heated Lid	OFF/AUTO/40 to 110 °C, independent control
Timer	1 s to 99 min 59 s; 1 min to 99 h 59 min; continuous
Programs	10 (S0 to S9), up to 5 steps, up to 99 cycles
Other Functions	Auto preheat, short mix, delay timer, power-failure restart, calibration, over-heat protection
Display Resolution	0.1 °C

POWER	
Power	335 W
Power Supply	AC 220 V or 110 V, 50/60 Hz

DIMENSIONS & WEIGHT	
Dimensions (L × W × H)	296 × 212 × 164 mm
Net / Gross Weight	6.9 kg / 8 kg

HOW THE MASTER SCIENCE THERMO SHAKER DRY BATH IMPROVES INCUBATIONS	
Evaporation from small volumes	heated lid.
Uneven mixing during incubation	continuous orbital shaking.
Slow cool-down between runs	built-in fan.
Runs lost after power cuts	automatic resume.

Applications

The Master Science Thermo Shaker Dry Bath is used for
Enzyme reactions and deactivation PCR sample preparation Sample incubation and mixing Holding enzymes or DNA libraries at the bench Heating samples in the field

Temperature

- PID control to 105 °C
- Heated lid to 110 °C
- Fan cooling

Mixing

- 200 to 3000 rpm
- 2 mm orbit
- Short mix function

Programs and Safety

- 10 programs, 99 cycles
- Power-failure recovery
- Over-heat protection

Optional Accessories

- Block for 96 × 0.2 mL PCR plate
- Block for 54 × 0.5 mL tubes
- Block for 35 × 1.5 mL tubes
- Block for 35 × 2.0 mL tubes
- Block for 20 × 1.5 mL + 15 × 0.5 mL
- Custom blocks on request