



THERMOstar

Intelligent Microplate Incubation



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The THERMOstar from BMG LABTECH is a high performance microplate incubator and orbital shaker which accommodates up to four microplates. The THERMOstar can be used for any enzyme or cell-based assays requiring uniform and strictly controlled incubation up to 56°C and effective mixing.

Temperature, shaking speed, and incubation time are fully programmable via the keypad, while the status parameters are displayed on the LCD in real time via an easy to use interface.

Microprocessor controlled heating plates above and below the microplates provide uniform temperature with less than 1.0°C variation between any two wells. This ensures outstanding and repeatable assay performance.

Features:

- Heating plates above and below the microplates
- Incubation up to 56°C in 1°C steps
- Excellent temperature accuracy and uniformity across the plate
- User definable parameters – temperature, RPM, and time
- Shakes and incubates four microplates simultaneously

Technical Specifications

Incubation	Incubation range from +8°C above ambient to 45°C (56°C optional)
	1°C steps
	Temperature stability $\pm 0.2^\circ\text{C}$
	Temperature gradient $< 1.0^\circ\text{C}$ across the plate (@ 37°C)
Warming Up Speed	< 20 min from 25 °C to 37°C
Shaking	0.75 mm orbit radius
	Shaking range from 120 to 700 rpm
	Timed shaking
	Range: 0 to 18 hours in 1s steps
	Continuous shaking – no time limit
Capacity	Up to 4 microplates
	Max. microplate dimensions: Width: 8.9 cm, Length: 13.3 cm, Height: 2.3 cm
Power Requirements	115/230 V, 60/50 Hz, max. 90 VA
Dimensions	Width: 33.5 cm, depth: 40.5 cm, height: 17 cm
	Weight: 8.5 kg

Specifications are subject to change without notice

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