

MB100-2A Thermo Shaker Incubator

MB100-2A Thero-shaker incubator is a high performance microplate incubator and orbital shaker which accommodates up to two microplates. The MB100-2A can be used for any enzyme or cell-based assays requiring uniform and strictly controlled incubation up to 70°C and effective mixing.

Temperature, shaking speed, and incubation time are 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 microplates provide uniform temperature with less than 0.5°C variation between any two wells. This ensures outstanding and repeatable assay performance.

Features

1. Microprocessor controlled time, RPM, and temperature
2. Heating plates above and below the microplates
3. Incubation up to 70°C in 0.1°C steps
4. Shakes and incubates two microplates simultaneously
5. Beep-signal and stop of shaking motion after program completion
6. Excellent temperature accuracy and uniformity across the plate

The device can be used in:

1. Cytochemistry — for in situ reactions;
2. Immunochemistry — for immunofluorescent reactions;
3. Biochemistry — for enzyme and protein analysis;
4. Molecular chemistry — for matrix analysis.

Spec:

Incubation	Incubation range from 8°C above ambient to 70°C
	0.1°C steps
	Temperature stability $\pm 0.3^\circ\text{C}$
	Temperature gradient $< 0.5^\circ\text{C}$ across the plate (@ 37°C)
Warming Up Speed	< 25 min (from 20 °C to 70°C)
Shaking	1.0 mm orbit radius
	Shaking range from 200 to 1200 rpm (increment: 1 rpm)
	Timed shaking
	Range: 0 to 99hours 59min in 1min steps
	Continuous shaking – no time limit
Capacity	Up to 2 microplates
Power Requirements	110/220 V, 60/50 Hz, max. 150VA
Dimensions	280×270×140mm

