

4-POSITION HEATED MICROPLATE MIXER AND INCUBATOR

Four standard or deep-well plates under one set of conditions, with a heated lid that keeps seals dry and a 3mm orbit strong enough for deep-well resuspension.

**HEATED LID**

Warms the plates from above as well as below, stopping condensation on seals and limiting edge-well evaporation.

ONE PROTOCOL, FOUR PLATES

Every position runs the same speed and temperature, so throughput scales without adding variability.

1 RPM AND 0.1°C STEPS

Set parameters exactly on the backlit LCD, which suits validated SOPs and sensitive incubations.

ADJUST WITHOUT STOPPING

Change speed, time or temperature independently during a run. Nothing resets.

3MM ORBIT

A wider orbit than the 2mm typical of benchtop shakers, for deep-well blocks and viscous reagents.

ADAPTIVE TEMPERATURE CONTROL

Reaches 80°C from room temperature in 12 minutes or less, eases off near set point to avoid overshoot, and recovers quickly if the temperature dips.

4

PLATE POSITIONS

200–1,350 rpm

SPEED

Ambient +5 to 80°C

TEMPERATURE

3mm

ORBIT

BUILT FOR MULTI-PLATE ASSAYS THAT CAN'T AFFORD DRIFT

The HPS4 lets a lab scale up plate work without giving up accuracy. Speed, time and temperature are set independently and can be changed mid-run, which matters in high-volume, multi-stage assays.

Most benchtop shakers use a 2mm orbit. The HPS4's 3mm horizontal orbit adds the energy deep-well plates and high-viscosity reagents need, with a consistent vortex across all four positions.

Heating comes from both the base and the lid, wrapping the plates in even heat. That limits the edge effect common in multi-plate incubators and keeps plate seals secure.

The result is the same conditions on plate one and plate four, run after run.

APPLICATIONS

Genomics, proteomics and diagnostics; ELISA and other immunoassays; multi-stage assays; deep-well resuspension; validated SOPs.

COMPATIBLE PLATES

Standard microplates, PCR plates and deep-well plates up to 2 in tall.

SPECIFICATIONS

Capacity	4 microplates or deep-well plates
Speed range	200–1,350 rpm, in 1 rpm steps
Temperature range	Ambient +5°C to 80°C, in 0.1°C steps
Heat-up time, RT to 80°C	12 min or less
Mixing orbit	3mm horizontal
Heating	Heated base and heated lid
Temperature control	PID with adaptive control and automatic temperature recovery
Parameter control	Speed, time and temperature set independently, adjustable mid-run
Display	High-contrast backlit LCD
Maximum plate height	2 in
Dimensions (L × W × H)	13.4 × 12.6 × 7.9 in

ORDERING INFORMATION

Catalog no.	Description
HPS4	Novara TM 4-Position Heated Microplate Mixer and Incubator

COMPARE THE LINE

	HPS2	HPS4	HPS6
Plate positions	2	4	6
Speed range	200–1,600 rpm	200–1,350 rpm	200–1,600 rpm
Maximum temperature	80°C	80°C	100°C
Heat-up time	10 min or less to 80°C	12 min or less to 80°C	20 min or less to 100°C
Maximum plate height	0.9 in	2 in	2 in