

THERMO-SHAKER WITH INTERCHANGEABLE BLOCKS

Heat, cool and shake microtubes, plates and tubes up to 50 mL on one compact benchtop unit, with quick-swap blocks for each format.



QUICK-SWAP BLOCKS

Eleven interchangeable blocks cover 0.5 to 2.0 mL microtubes, PCR and ELISA or deep-well plates, and 5 to 50 mL tubes.

PROGRAMMABLE RUNS

Program up to 5 temperature and speed steps and repeat the cycle up to 99 times.

±0.3°C ACCURACY

PID temperature control holds the set point to within ±0.3°C, with the same uniformity across the block.

HEATING, OR HEATING AND COOLING

The TS-H heats from 5°C above room temperature to 100°C. The TS-HC adds active cooling to 30°C below room temperature.

SAFE TO LEAVE RUNNING

Over-temperature protection and auto-resume after a power interruption. The TS-HC can hold samples at 4°C when a run ends.

QUIET BRUSHLESS MOTOR

A maintenance-free brushless DC motor drives a 3mm orbit for consistent mixing.

Up to 100°C

TEMPERATURE

200–1,800 rpm

SPEED

±0.3°C

ACCURACY

11 interchangeable

BLOCKS

ONE SHAKER FOR EVERY TUBE SPECIFICATIONS FORMAT

The Novara Thermo-Shaker combines precise temperature control and consistent orbital shaking in one compact benchtop unit, built for molecular biology work where sample integrity matters.

Choose the TS-H for heating-only work, or the TS-HC for heating and active cooling. Both reach 100°C from 25°C in 12 minutes or less, and the LCD shows live and set values for temperature, speed and time at once.

APPLICATIONS

Sample incubation and temperature-sensitive mixing in molecular biology workflows.

	TS-H	TS-HC
Temperature range	RT+5 to 100°C	RT–30 to 100°C
Accuracy, uniformity	±0.3°C	±0.3°C
Heat-up, 25 to 100°C	12 min or less	12 min or less
Cool-down, 100 to 25°C	No cooling	10 min or less
Cool-down, RT to RT–30°C	No cooling	15 min or less
Speed range	200–1,800 rpm	200–1,500 rpm
Orbit	3mm	3mm
Timer	Up to 99 h 59 min	Up to 99 h 59 min
Power	150 W	150 W
Voltage	110V, 50/60Hz	100–240V, 50/60Hz
Weight	16.5 lb	18.7 lb
Size (L × W × H)	10.2 × 7.7 × 5.9 in	10.2 × 7.7 × 5.9 in

ORDERING INFORMATION

Item	Description	Catalog no.
Base units		
Thermo-Shaker, heating only	Base unit, no block	TS-H
Thermo-Shaker, heating and cooling	Base unit, no block	TS-HC
Blocks		
0.5mL Microtube Block (54-Tube)	54 × 0.5 mL tubes	TS-MT05
1.5mL Microtube Block (35-Tube)	35 × 1.5 mL tubes	TS-MT15
2.0mL Microtube Block (35-Tube)	35 × 2.0 mL tubes	TS-MT20
0.5mL/1.5mL Combo Microtube Block	15 × 0.5 mL + 20 × 1.5 mL tubes	TS-COMBO
PCR Plate & Strip Block	96 × 0.2 mL plate or strips	TS-PCR
ELISA/Deep-Well Plate Block	One 96-well ELISA or deep-well plate	TS-ELISA
5mL Tube Block (Max 1000 RPM)	24 × 5 mL tubes	TS-T5
10mL Tube Block (Max 1000 RPM)	15 × 10 mL tubes	TS-T10
15mL Conical Tube Block (Max 800 RPM)	12 × 15 mL conical tubes	TS-C15
50mL Round-Bottom Tube Block (Max 800 RPM)	6 × 50 mL round-bottom tubes	TS-C50R
50mL Conical Tube Block (Max 800 RPM)	6 × 50 mL conical tubes	TS-C50

Blocks fit both models and are also sold separately. Choose a block when ordering a unit to have it included.