

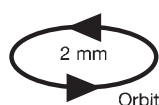
Thermoshakers » PCMT thermoshaker with cooling for microtubes and microplates

PCMT – thermoshaker with cooling for microtubes and PCR plates

Variable speed and temperature, heating and cooling thermoshaker with a choice of blocks for microtubes and microplates.

- a microtube and microplate thermoshaker
- a compact benchtop incubator
- a microtube and microplate shaker

- **Fast heat-up and cooling times**
- **Temperature setting range +4°C to 100°C**
- **Temperature control range ambient -15°C to +100°C**
- **Shaking speed: 250 to 1400 rpm**
- **Temperature stability $\pm 0.1^\circ\text{C}$**
- **Improved fast start 3s to maximum shaking speed**
- **Temperature calibration function**



Fast heat-up and cooling times.
Quick to reach specified mixing speed

Even mixing across the thermoshaker block

Excellent uniformity across the block

Digital timer with sound alarm - 1 min to 96 hours

New upgraded! Temperature calibration function to compensate for differences in the thermal behaviour of different tubes and samples

Low voltage cord fits easily through door gaskets, safe and economical running



PCMT microplate and microtube thermoshaker with cooling

Choice of 5 interchangeable blocks:

- HC18 (20 x 0.5 ml and 12 x 1.5 ml microtubes)
 - HC32 (20 x 0.2 ml and 12 x 1.5 ml microtubes)
 - HC24N (24 x 1.5 ml microtubes)
 - HC24 (24 x 2 ml microtubes)
 - HC96 (96-well microplate for PCR, 0.2 ml)
- Block is required. Specify when ordering

Quiet motor operation, compact size and reliable

Clear 16 x 2 character LCD display indicates the set and actual time of operation, mixing speed and temperature

Simultaneous or independent heating/cooling and mixing functions


New upgraded! Fast start - acceleration 3 seconds

Applications: ■ Life-science - genetic analyses, extraction of DNA, RNA and further sample preparation, biochemical studies of enzymatic reactions and processes, extraction of metabolites from cellular materia, incubation, agitation, digestion of samples/standards for peptide mapping

Thermoshakers » PCMT » Models and specifications

Thermoshakers with cooling – models and specifications

● = option

		Microplate and microtube thermoshaker
		PCMT
		
Temperature setting range	°C	+4 to 100
Temperature control range		15°C below ambient to +100°C
Temperature uniformity over the block		@4°C ±0.6°C / @37°C ±0.1°C / @100°C ±0.3°C
Temperature display		2 line x 16 character LCD
Average heat up speed		5°C / min from +25°C to +100°C (HC15 block)
Average cooling speed (HC15 block)	from +100°C to +25°C @+25°C to +4°C	5°C / min (~ 15 mins) 1.8°C / min (~ 8 mins)
Capacity	microtubes	see accessories below
Capacity	microplates	1
Shaking speed	rpm	250 to 1400
Orbit diameter	mm	2
Timer (with auto-off and audible alarm)		1 min to 96 hours (1 min increment)
Heating / cooling power	W	60
Input voltage	V dc	12
Input current	A	4.16
External power supply	V	100-240
Maximum noise	dba	53.8

Accessories

HC18 interchangeable block for
20 x 0.5 ml microtubes plus
12 x 1.5 ml microtubes



●

HC24N interchangeable block for
24 x 1.5 ml microtubes



●

HC24 interchangeable block for
24 x 2.0 ml microtubes



●

HC32 interchangeable block for
20 x 0.2 ml microtubes plus
12 x 1.5 ml microtubes



●

HC96 interchangeable block for
96-well microplates (0.2 ml)



●

Note: PCMT unit supplied without a block, please order from above.