

15ml/50ml Blocks



MTC-100/MTH-100 Thermo Shaker Incubator is thermo shaker incubator with fast mixing speed and integrates four kinds of function mixing, shaking, heating function and Cooling function. (MTH-100 integrates three kinds of function mixing, shaking and heating function.) Combined with intelligent operation design, it not only can mix various micro volume tube, PCR plate, deep hole plate and micro plate and other common laboratory supplies, but also equipped with the function of vortexing and heating all kinds of tubes. It can meet the needs of different users.

### 【 Product features 】

1. Perfect radius and excellent dimensional technology blend with adjustable mixing speed.
2. Programmable. Efficient shaking and temperature control.
3. Microprocessor controlled incubator. Good linearity of temperature control. Precise control of the shaking speed.
4. Timing function. Time range is from 0 to 100hours.
5. Various blocks to exchange, convenient for replacement.
6. Built-in temperature calibration function and short mixing function.
7. DC brushless motor drive, long life and free of maintenance.
8. Multiple safety protection function. Conform to CE safety standards, safe and reliable.
9. Restore from power off, recover to the pre-status automatically.

### 【 3-in-1 model 】

- 1) Plate (shaking and mixing)
  - PCR plates (skirted, semi-skirted, un-skirted)
  - 384-well PCR plate
  - 96- and 384-deepwell plates
  - MTP, enzyme labeled plate
- 2) Tube Stands (shaking and mixing)
  - 0.2ml PCR tubes and PCR strips stand
  - 0.5ml micro tubes stand
  - 1.5 / 2.0ml micro tubes stand
- 3) Blocks (shaking, mixing, incubator)
  - Refer to "Exchangeable blocks for MTH-100/MTC-100 series"

### 【 Exchangeable blocks for MTC-100/MTH-100 series 】

Type	Parameter	Max. Temp
A	96×0.2ml PCR plate	100℃
B	54×0.5ml	100℃
C	35×1.5ml	100℃
D	35×2.0ml	100℃
E	20×0.5ml+15×1.5ml	100℃
F	24 x dia. ≤ Φ12mm	100℃
G	32×0.2ml+25×1.5ml	100℃
H	32×0.2ml+10×0.5ml+15×1.5ml	100℃
I	103×67×30 (water bath block)	100℃
J	96×0.2ml plate (flat bottom)	100℃
K	24×5ml (max speed 600 rpm)	100℃
L	12×15ml (max speed 600 rpm)	100℃
M	6×50ml (max speed 600 rpm)	100℃
N	customized	100℃
MIX-A	96×0.2ml tube holders	/
MIX-B	24×0.5ml tube holders	/
MIX-C	24×1.5/2.0ml tube holders	/

### 【 Conventional configuration 】

MTC-100A / MTC-100B / MTC-100C / MTC-100D / MTC-100E  
MTH-100A / MTH-100B / MTH-100C / MTH-100D / MTH-100E  
E.g.: MTC-100C means select the type MTC-100 with Block type C.

### 【 Technical Parameters 】

Model	MTC-100 Thermo Shaker Incubator (cooling)	MTH-100 Thermo Shaker Incubator (heating)
Temperature Control Range	0℃ - 100℃	R.T.+5℃ - 100℃
Block Temperature Uniformity	±0.3℃	
Temperature Control Accuracy	±0.3℃	
Display Accuracy	0.1℃	
Heating Platform Temperature Accuracy	<0.5℃ (detect @37℃)	
Shaking Speed	300 - 1500 rpm	300 - 2000 rpm
Shaking Orbit	3mm (horizontal)	
Timing Range	99h59min	
Heating Time	<20min (from 20℃ to 100℃)	
Cooling Time	≤25min from R.T. to R.T.-20℃ (detected below 30℃)	/
Cooling Speed	≥7℃/min (from 100℃ to 20℃) ≥1.2℃/min (from R.T. to R.T.-20℃)	/
Maximum Power	200W	
Dimension ( LxWxH)	270x196x170 mm	
Net Weight	8.3 KG	6.8 KG
Block Selection	Refer to "Exchangeable blocks for MTH-100/MTC-100 series"	



**Multi-function, multi-purpose,  
uniform mixing with quiet operation.**