

# MTC-100/MTH-100 Thermo Shaker Incubator

Dry Bath

## Introduction

Thermo shaker incubator has fast mixing speed. Combined with intelligent operation, it can not only mix various tubes, PCR plates, deep-well plates, micro plates and other laboratory supplies, but also equip the function of vortexing and heating (cooling) all kinds of tubes to meet different needs of different users.

## Feature

1. Perfect radius and excellent 2 dimensional blend technology with adjustable mixing speed.
2. Programmable. Efficient shaking and temperature control.
3. Multiple safety protection. Fit for CE safe standard, safet and reliable.
4. Microprocessor and good linearity of temperature control. Shaking speed is accurate with small fluctuations.
5. Timing function. Time range is from 0 to 100hours. Non-stop operation time to run contiously is also available.
6. Various blocks to exchange, convenient for replacement.
7. Built-in temperature calibration function and short mixing function.
8. DC brushless motor drive, long life and free of maintenance.
9. Power recovery function. After power restored instrument can be set to automatically restore the original run.(MTC-100)



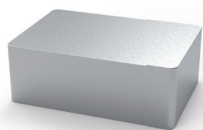
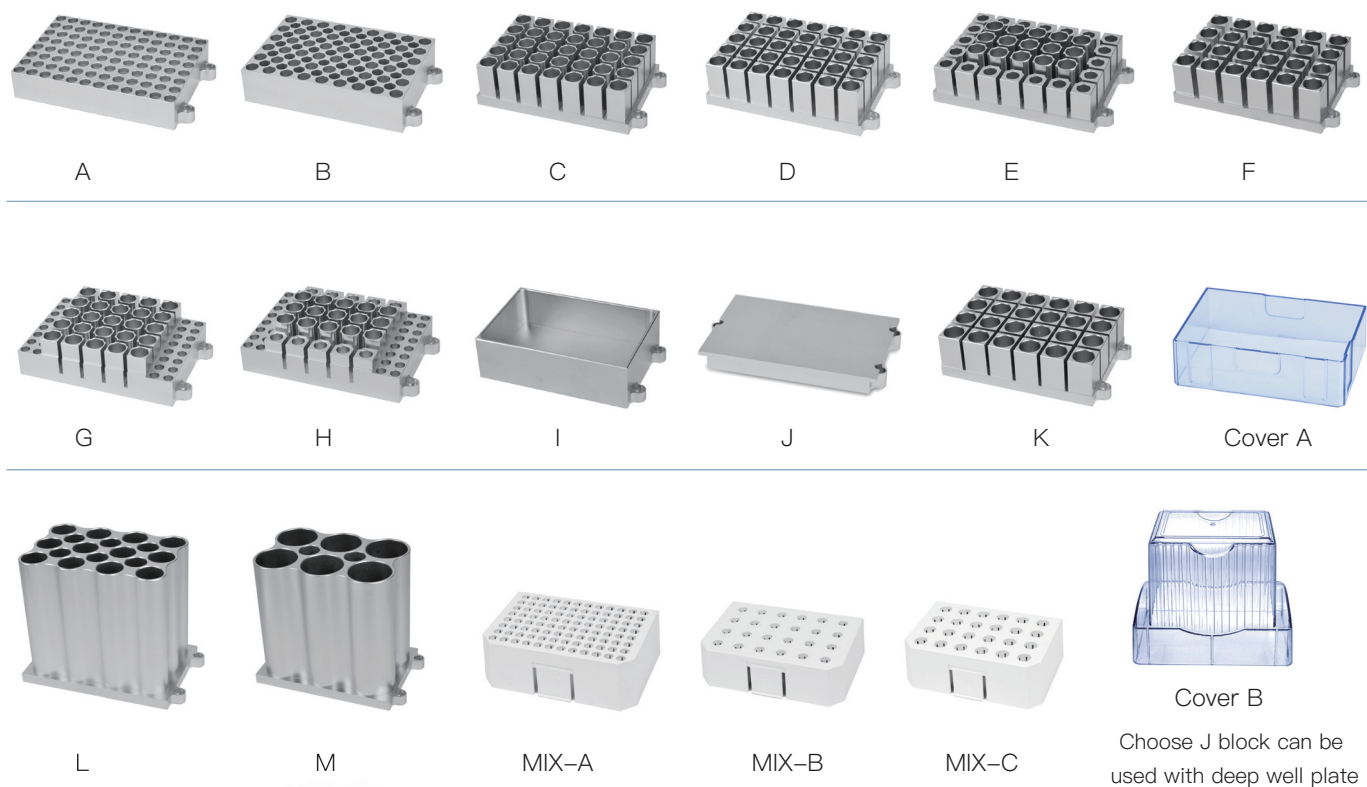
## 3-in-1 Shaking and Incubating Method

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

## Parameter

Model	MTH-100	MTC-100
Speed Range	300~2000rpm	300~1500rpm
Shaking Orbit	3mm (horizontal)	3mm (horizontal)
Temp. Control Range	R.T.+5°C~100°C	0°C~100°C
Temp. Max. Decrease	/	R.T. decreases 20°C@R.T. 26°C
Temp. Setting Range	5°C ~100°C	0°C~100 °C
Temp. Stability	±0.3°C	±0.3°C
Block Temp. Uniformity	±0.3°C	±0.3°C
Temp. Display Accuracy	0.1°C	0.1°C
Heating Speed	≤15min (20°C to 100°C)	≤15min (20°C to 100°C)
Cooling time	/	≤30min (R.T. decreases 20°C) @R.T. 26°C
Cooling speed	/	≥7°C/min (100°C drop to 20°C) ≥1.2°C/min (R.T. decreases10°C)
Time Range	1min~99h59min	1min~99h59min or continuous
Voltage	AC 220V / AC 110V, 50/60Hz	AC 100V~230V, 50/60Hz
Power	200W	200W
Fuse	250V, 2A/3A, Φ5×20	250V, 3A, Φ5×20
Dimension	W.196 x D.270x H.170mm	W.196 x D.270x H.170mm
Net Weight	8.2kgs	8.8kgs

## Accessories



Metal cover  
choose J block can be used with deep well plate

Notice: K/L/M are not standard blocks,  
Max speed is 600rpm.  
MIX-A/MIX-B/MIX-C are tubes stands.

## Accessories Parameter

Cat#	Spec	Dia. of hole	Hole bottom shape	Block dimension
A	0.2 ml x 96	6.7 mm	Cone bottom	107 x 71 x 20 mm
B	0.5 ml x 54	8 mm	Cone bottom	107 x 71 x 25 mm
C	1.5 ml x 35	10.8 mm	Cone bottom	107 x 71 x 32 mm
D	2.0 ml x 35	10.8 mm	Round bottom	107 x 71 x 32 mm
E	0.5 ml x 20 + 1.5ml x 15	8 mm / 10.8mm	Cone bottom	107 x 71 x 32 mm
F	≤Φ12mm x 24	12 mm	Flat bottom	107 x 71 x 32 mm
G	0.2 ml x 32 + 1.5ml x 25	6.1 mm / 10.8mm	Cone bottom	107 x 71 x 32 mm
H	0.2 ml x 32 + 0.5 ml x 10 + 1.5ml x 15	6.1 mm / 8 mm / 10.8 mm	Cone bottom	107 x 71 x 32 mm
I	Water Bath	103 x 67 x 30 mm	Flat bottom	107 x 71 x 32 mm
J	Flat bottom plates	Top size 69 x 107 x 12 mm	Flat plate block	116 x 71 x 15 mm
K	5 ml x 24	13.5 mm	Flat bottom	107 x 71 x 32 mm
L	15 ml x 12	16.9 mm	Flat bottom	107 x 71 x 100 mm
M	50 ml x 6	29.5 mm	Flat bottom	107 x 71 x 100 mm
N	Customized	Customized	Customized	Customized
MIX-A	0.2ml x 96	/	/	122 x 80.5 x 35 mm
MIX-B	0.5ml x 24	/	/	122 x 80.5 x 41mm
MIX-C	1.5ml/2.0ml x 24	/	/	122 x 80.5 x 41mm