

MSC-100



Designed for simultaneous heating and cooling and mixing of small samples, the MSC-100 are supplied with interchangeable blocks for micro tubes. Mixing and heating and cooling modes can be used both simultaneously and independently, i.e. the device can work as a shaker and as a thermostat. The main body of the Mixing Block can be used with different kinds of blocks.

Features for MSC-100 Thermos Shaker

1. LCD display. It is easy to setup and use.
2. Accurately control and display time, temperature and speed
3. Overheating protection device ensures safety & reliability
4. Temperature can be calibrated to meet user's needs.
5. Low noise working even under the speed of 1,500rpm
6. Conforms to CE safety standard
7. Custom blocks are available to satisfy experimental requirement
8. Gentle, reliable mixing with long-life brushless motor

Specification for MSC-100 Thermos Shaker

1. Temperature Setting Range: 0°C~100°C
2. Temperature Control Range: 0°C~100°C
3. Timing Range: 1 min~99h59min
4. Mixing Speed: 200rpm-1500rpm
5. Mixing Orbit: 2mm
6. Temperature Control Accuracy: $< \pm 0.5$ °C

7. Display Accuracy: 0.1 °C
8. Heating Time: ≤20min (from 20 °C to 100 °C)
9. Cooling time: ≤25min(from ambient to ambient – 20 °C)
≤15min(from 100 °C to 20 °C)
10. Cooling depth:
 - 1) The block temperature can be descended to 0°C if the ambient temperature is 20°C
 - 2) The block temperature can be descended to 4°C if the ambient temperature is 25°C
 - 3) The block temperature can be descended to 10°C if the ambient temperature is 30°C
11. Cooling and Heating Parts: TE Module
12. Supply Power: AC220V 50/60Hz or AC120V 50/60Hz
13. Dimension (LxWxH) mm: 300x220x175
14. Net Weight: 8.5 kg

Block for MSC-100

Type	Description	Max. Temperature	Max. speed	Remark
A	96×0.2ml	100°C	1500	
B	54×0.5ml	100°C	1500	
C	35×1.5ml	100°C	1500	
D	35×2.0ml	100°C	1500	
E	15×0.5ml+20×1.5ml	100°C	1500	
F	24×Diameter ≤ φ12mm tubes	100°C	1200	
G	12×15ml Falcon tube	100°C	750	

H	6x50 ml Falcon tube	100°C	750	
I	103x67x30mm (Bath Block)	100°C	1500	
J	96 x 0.2 ml Microplate	100°C	1500	
K	24x5ml tube	100°C	1200	
L	96-Deep well plate	80°C	900	