

## MS-100 / MSC-100 Thermo Shaker Incubator

MS-100 / MSC-100 thermo shaker incubator for tubes adopts DC brushless motor and microcomputer control technology, and combines the two functions of constant temperature and shaking, which greatly shortens the time of experimental operation and improves work efficiency. It is an ideal automation tool for sample incubation, catalysis, shaking and preservation. MSC-100 thermo shaker incubator for tubes also has multi-mode functions such as heating, cooling, and shaking to meet the needs of different users.



MSC-100



MS-100

### LCD

LCD displays time and speed; it's easy to accurately set and reproduce experimental conditions.

### Self-recovery

Power failure self-recovery function, the device can automatically resume operation according to the originally set procedure after power failure recovery. The experimental conditions are consistent and the results are stable.

### Accurate Temp. Control

Microprocessor control, good temperature control linearity, temperature control accuracy of  $\pm 0.5^{\circ}\text{C}$ . Accurate temperature control improves experiment repeatability.



Mixing orbit 2 mm, coordinating the shaking speed, forms a 2D mix and has an excellent sample mixing ability.



Multiple safety protection functions, conforming CE safety standards, safe and reliable.

### Customizable Block

Various standard sample blocks are available, which is easy to be replaced. The blocks with special specifications can be customized.

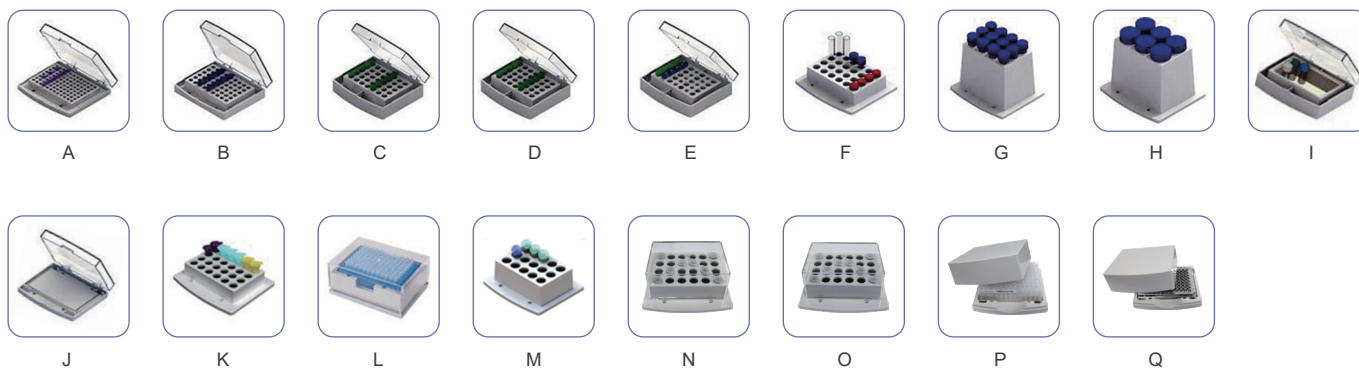
## Specification

### MS-100

### MSC-100

Temp. control range	RT. $+5^{\circ}\text{C}$ ~ $100^{\circ}\text{C}$	$0^{\circ}\text{C}$ ~ $100^{\circ}\text{C}$ (RT. $\leq 20^{\circ}\text{C}$ ) $4^{\circ}\text{C}$ ~ $100^{\circ}\text{C}$ (RT. $\leq 25^{\circ}\text{C}$ ) $10^{\circ}\text{C}$ ~ $100^{\circ}\text{C}$ (RT. $\leq 30^{\circ}\text{C}$ )
Temp. uniformity	$\leq 0.5^{\circ}\text{C}$	$\leq 0.5^{\circ}\text{C}$
Timer range	1 min~99 h59 min	1 min~99 h59 min
Temp. control accuracy	$\pm 0.5^{\circ}\text{C}$	$\pm 0.5^{\circ}\text{C}$
Display accuracy	$\pm 0.1^{\circ}\text{C}$	$\pm 0.1^{\circ}\text{C}$
Shaking speed	200~1500 rpm	200~1500 rpm
Heating time (40 ~ $100^{\circ}\text{C}$ )	$\leq 10$ min	$\leq 15$ min
Cooling time	----	$\leq 20$ min (AT. $\leq 20^{\circ}\text{C}$ : $20^{\circ}\text{C}$ ~ $0^{\circ}\text{C}$ ) $\leq 20$ min (AT. $\leq 25^{\circ}\text{C}$ : RT. $\sim 4^{\circ}\text{C}$ ) $\leq 20$ min (AT. $\leq 30^{\circ}\text{C}$ : RT. $\sim 10^{\circ}\text{C}$ )
Mixing orbit	2 mm	2 mm
Dimension (mm)	300×220×170	300×220×170
Weight	7 kg	8.5 kg

## MS-100 / MSC-100 Suitable Block



## Ordering Information

Code	Description
AS-02010-00	MS-100 thermo shaker incubator, with a block; AC220 V/AC120 V, 50/60 Hz, 150 W
AS-02020-00	MSC-100 thermo shaker incubator, with a block; AC220 V/AC120 V, 50/60 Hz, 250 W

Code	Type	Description	Max. speed	Max. Temp.
AS-01051-01	A	96×0.2 mL tubes	1500 rpm	100 °C
AS-01051-02	B	54×0.5 mL tubes	1500 rpm	100 °C
AS-01051-03	C	35×1.5 mL tubes	1500 rpm	100 °C
AS-01051-04	D	35×2.0 mL tubes	1500 rpm	100 °C
AS-01051-05	E	15×0.5 mL+20×1.5 mL tubes	1500 rpm	100 °C
AS-01051-06	F	24×Dia.≤Φ12 mm tubes	1200 rpm	100 °C
AS-01051-07	G	12×15 mL Falcon tube	750 rpm	100 °C
AS-01051-08	H	6×50 mL Falcon tube	750 rpm	100 °C
AS-01051-09	I	103×67×30 mm rectangular bath block	1500 rpm	100 °C
AS-01051-10	J	96×0.2 mL microplate	1500 rpm	100 °C
AS-01051-11	K	24×5 mL tubes	1200 rpm	100 °C
AS-01051-12	L	96 deep-well microplate	800 rpm	80 °C
AS-01051-13	M	15×5 mL Eppendorf tubes	1200 rpm	100 °C
AS-01051-14	N	24×2 mL tubes	1200 rpm	100 °C
AS-01051-15	O	24×1.5 mL tubes	1200 rpm	100 °C
AS-01051-16	P	96×1000 µL deep-well plate	1200 rpm	100 °C
AS-01051-17	Q	MTPs deep-well plate	1200 rpm	100 °C