

Thermo Shaker

TS100&TCS10

Features:

- ◆ LCD display. It is easy to set up and use.
- ◆ Exchangeable blocks for a wide variety of tube sizes.
- ◆ Precision wells for uniform thermal transfer.
- ◆ Brushless DC motor: noiseless long service life maintenance free.
- ◆ Automatic fault detection and buzzer alarm function.
- ◆ Built-in over-temperature protection.
- ◆ Temperature calibration function.

Application:

- ◆ Maintaining 14°C for ligation reactions.
- ◆ Maintaining 17°C for storing oocytes.
- ◆ Storing samples at ice bucket temperatures.
- ◆ Storing enzymes or DNA libraries at work station.
- ◆ Transporting samples from the field at exactly the right temperature.
- ◆ Heating samples in the field.
- ◆ Enzyme reactions and deactivations.
- ◆ PCR sample preparation.



Description:

- ◆ TS100/TCS10 Thermo Shaker is a temperature controlled shaker, which is used for a variety of molecular biology applications. Speed, time and temperature settings are continuously visible on the LCD, simultaneously showing both actual and selected values. Integral over-temperature control ensures long time, safety and sample integrity.

Parameters:

Project	Parameters	
Product model	TS100	TCS10
Temp. setting range	0°C ~ 100°C	0°C ~ 100°C
Temp. control range	RT.+5°C ~ 100°C	RT.-20°C ~ 100°C
Timing range	1min ~ 99min59sec/∞	1min ~ 99min59sec/∞
Temp. accuracy	≤±0.3°C*	≤±0.3°C*
Temp. uniformity	≤±0.3°C*	≤±0.3°C*
Display accuracy	0.1°C	0.1°C
Speed range	200~1800rpm	200~1500rpm
Orbit	3mm	3mm
Heating time	≤12min(from 25°C to 100°C)*	≤15min(from 25°C to 100°C)*
Cooling time 1	---	≤10min(from 100°C to 25°C)*
Cooling time 2	---	≤15min(from RT. to RT.-20°C)*
AUTO-4°C	---	Yes*
Multi points running	---	Yes(Max 5 points)
Multi cycle	---	Yes(Max 99 times)
Auto running	---	Yes
Auto heating	---	Yes
Auto resume to run	---	Yes
Power	150W	150W
Voltage	AC220V or AC110V, 50/60Hz	AC100~240V, 50/60Hz
Dimensions(W×D×H)	260×195×150	260×195×150
Weight(kg)	7.0	7.5

Optional Blocks:

Type	Test tube and aperture
MD30	96×0.2ml
MD31	54×0.5ml
MD32	35×1.5ml
MD33	35×2.0ml
MD34	15×0.5ml+20×1.5ml
MD35	96×0.2ml(elisa plate)

Type	Test tube and aperture
MD36	24×5ml
MD37	15×10ml
MD38	12×15ml
MD39	6×50ml(round-shape bottom)
MD39-S	6×50ml(cone-shape bottom)
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