

SMED-TC1000S
THERMAL CYCLER



DESCRIPTION

Thermal cycler is an essential instrument in laboratory, it used for biotechnological applications, sequencing, gene cloning, gene expression, mutagenesis, genotyping, etc. Ideal for biotechnology and molecular biology laboratories, clinical diagnosis, forensic science, food and pharmaceutical industries, research institutes and universities.

TECHNICAL PARAMETERS

SAMPLE CAPACITY	HEATING/COOLING RATE
96 x 0.2mL PCR tubes, 12 x 8-strip PCR tubes or 96-well PCR plate	5°C/second
HEATING TEMPERATURE RANGE	ADAPTER BLOCK MATERIAL
4 to 105°C	Aluminum
LID TEMPERATURE RANGE	DIMENSIONS
30 to 110°C	280 x 370 x 250 mm
TEMPERATURE ACCURACY (AT 55°C)	WEIGHT
±0.3°C	11 kg
TEMPERATURE UNIFORMITY (AT 55°C)	POWER SUPPLY
<0.3°C	110-240V, 50/60 Hz

FILE SYSTEM

Maximum 30 segments 99 cycles, maximum 16 folder and 16 files each folder

KEY FEATURES

- 7-inches touch screen is intuitive and easy-to-use.
- High performance and durable Peltier improving temperature control.
- Power-off protection function, automatic program recovery.
- Multi-file storage, file customization.
- Auxiliary heating mechanism diminishes the "edge effect" and enhances temperature uniformity.
- Wide options of consumables, 0.2 mL PCR tubes, 8-strip PCR tubes and 96-well PCR plates can be used.
- Hot lid auto-off function: If module temperature is lower than 30°C, hot lid function will automatically turn off.

