

TC1000-S+ Thermal Cycler Standard



Introductions

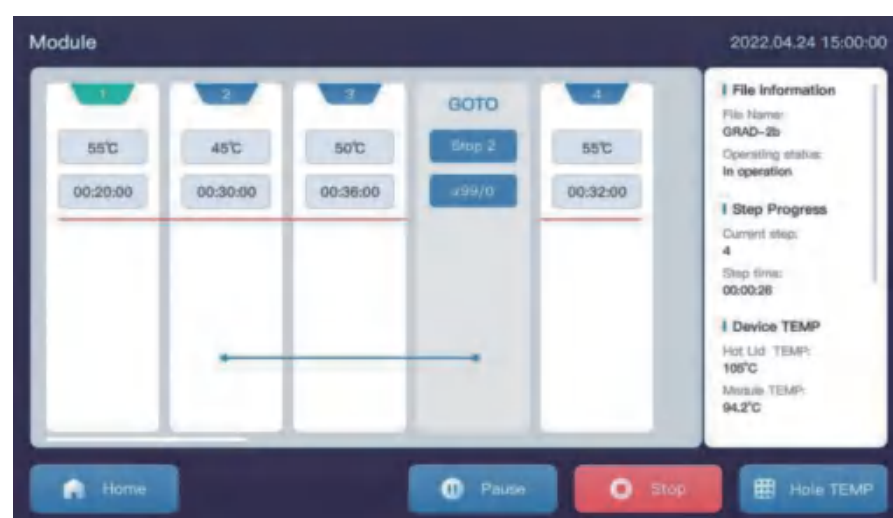
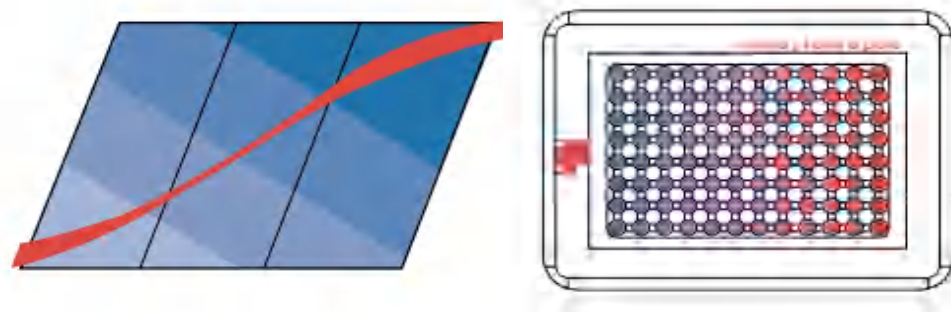
Elegant in design, precise and accurate, with high repeatability, specifically designed for PCR optimization, the TC1000-S+ Thermal cycler supports Touchdown PCR and Long PCR experiments. It features advanced gradient temperature control technology and high-performance, durable peltier heating and cooling, allowing for precise temperature control indifferent zones. Its edge temperature compensation technology ensures outstanding temperature uniformity. Through gradient settings, experimental conditions can be easily optimized.

Applications

The TC1000-S+ is a fundamental instrument in molecular laboratories, widely used in gene detection, molecular cloning, gene expression, mutagenesis, and other tasks, involving fields such as drug discovery, agriculture, and the food industry.

Features

- Featuring a brand-new UI user interface, the graphical menu is simple and easy to use, with a color touch panel that makes it easier for users to edit programs.
- It includes an automatic power-off protection feature that automatically completes unfinished cycles upon power restoration, ensuring the amplification process runs safely.
- The system supports Touchdown PCR (-9.9°C to +9.9°C) and Long PCR (-9min 59s to +9min 59s) experiments.
- The hot lid temperature and working mode can be set to meet various experimental needs, with the hot lid function automatically turning off when the heating module's temperature is below 30°C.
- A one-touch quick incubation feature is available to meet the needs of denaturation, enzyme digestion/ligation, ELISA, and other experiments.



Specifications

Model	TC1000-S+
Sample Capacity	96×0.2mL PCR tube 12×0.2mL PCR-8 strips 1×0.2mL 96-well PCR plate
Module	1×96
Sample module temperature control range [°C]	0-105
Hot lid temperature control range [°C]	30-115
Temperature display accuracy [°C]	0.1
Temperature control accuracy [°C]	±0.1
Temperature uniformity (at 55 °C) [°C]	±0.2
Maximum rate of temperature change	5°C/Sec
Temperature Control Method	Block/Tube
Material of the carrier module	Aluminum
Display	7 inches, LCD 1024×600
Input method	Touch panel
Power off protect	Yes
Communication Interface	USB, WIFI
Number of program storage	20000+ (USB FLASH)
User Defined File System	Up to 30 steps and 99 cycles in a single program
Power Supply	100-120V/200-240V,50/60HZ,600W
Dimensions [W×D×H]	296×370×295mm
Weight	9.5kg
Permissible ambient temperature and humidity	5-40°C, 80%RH