

STALWART

Thermal Cycler STC-73 Plus



Introduction

STC-73 Plus thermal cycler uses customized Marlow(US) peltier. Its max. Ramping rate is 6°C/s and cycle times is more than 1,000,000. The product combines a variety of advanced technologies: WINCE system; color touch screen; 6 independently controlled temperature zones; PC on-line function; printing function; big storage capacity and support USB device. All above functions allow PCR's excellent performance and meet higher experiment's need.

Features

- Six pieces of long service life Peltier heating units and can independently control 6 temperature zones;
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
- High heating and cooling rate, max. Ramping rate 6°C/s, can save your precious time;
- Stepless adjustable hot lid, fit tubes of different heights to avoid tube melt and evaporation.
- Windows interface, 8" (800×600, 16 colors) TFT color touch-screen with graphical display provides easy use for setting up and monitoring.
- Built-in 11 standard program file template, can quickly edit the required files.
- Folder management, user can build directory.
- The running program and left time can be displayed in real time, allow to edit file when program is running.
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA.
- Internal flash memory for 10000 typical PCR files in free configurable folders.
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need.
- Automatic restart after power failure. When power is restored it can continue to run unfinished program.
- GLP report records every step to provide accurate data support for experiment result analysis.
- User Login Management, three-tier permission, password protection function to ensure data security.
- Compatible with devices such as Mouse and Keyboard and capable to transfer data and perform software updates via USB Drive.
- Support USB and LAN to update software.
- One computer can control many sets of PCR via network connection.
- Min type Bluetooth printer as an option, easily record information.
- Support email-alert function when experiment is over.

Specification

Item	STC-73 Plus
Capacity	96×0.2ml (6 independent 16 well block)
Temperature Range	4-100°C
MAX. Heating Rate	6°C/s
MAX. Cooling Rate	4°C/s
Uniformity	≤±0.3°C
Accuracy	≤±0.2°C
Display Resolution	0.1°C
Temperature Control	BlockTube
Ramping Rate Adjustable	0.1-6°C
Gradient Temp. Range	30-100°C
Gradient Spread	Temperature difference of adjacent temperature zone is 0.1-5°C. 6 temperature zones in total

Specification

Hot Lid Temperature	30-110°C
Hot Lid Height Adjustable	Stepless Adjustable
Number of Programs	10000 +(USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment/Decrement	1 Sec - 600 Sec
Temp. Increment/Decrement	0.1-10.0°C
Pause Function	Yes
Auto Data Protection	Yes
Hold at 4	Forever
Touchdown Function	Yes
Long PCR Function	Yes
Language	English
LAN to computer	Yes
LCD	8 inch, 800×600 pels,
Communication	USB2.0 , LAN
Dimensions	390mm×270mm×255mm (L×W×H)
Weight	9kg
Power Supply	85-264VAC , 47-63Hz , 600 W