



THERMAL CYCLER BTHC-107

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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.



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" (800x600, 16 colors) TFT color touch-screen with graphical display provides easy use for setting up and monitoring.

Built-in 11 standard program file templates, can quickly edit the required files.

SPECIFICATIONS

Model	BTHC-107
Capacity	96x0.2ml (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	Block\Tube
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
Hot Lid Temperature	30-110°C
Hot Lid Height Adjustable	Stepless Adjustable
Number of Programs	10000+ (USBFLASH)
Max. No. Step of	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°C	Forever
Touchdown Function	Yes
LongPCR Function	Yes
Language	English
LAN to computer	Yes
LCD	8 inch. 800x600 pels

Communication	USB2.0, LAN
Dimensions	390mmx270mmx255mm (LxWxH)
Weight	9kg
Power Supply	85-264VAC, 47-63Hz, 600W
Alt Name	Thermal cycler

FEATURES

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Built-in 11 standard program file templates, 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.

Mini type Bluetooth printer as an option, easily record information.

Support email-alert function when experiment is over.



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