



# THERMAL CYCLER BTHC-408

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Thermal Cyclers have become an essential tool for DNA amplification, and are considered by many as the workhorse of the laboratory. It provides outstanding performance in a compact and user friendly design. Better performance, efficiency and faster optimization makes it a perfect choice for any laboratory.

Used in Animal Diagnostics, Analytical Laboratories, Research, Development, Food Science, Pharmaceutical, Life Science, Cloning, Sequencing, Gene Expression, Gene Amplification..

Also known as Laboratory Thermocycler, Laboratory PCR Machine, DNA Amplifier, Thermocycler, PCR Machine, Laboratory DNA Amplifier..

## BTHC-408 THERMAL CYCLER

It uses advanced Peltier Technology

Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance

Scalable hot lid fits tubes of different heights

TFT color capacitive touch screen ( 5 inches, 800x480 pels), graphical menu navigation interface, very easy to operate

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

While block temperature is lower than set temperature or program ends, the hot lid will be automatically closed

Automatic restart after power failure. When power is restored it can continue to run unfinished program

Support USB to store and copy PCR data, user can control PCR by USB mouse

Update software by USB and LAN

WiFi module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection

Support email-alert function when experiment is over

Mobile phone App available

## SPECIFICATIONS

Model	BTHC-408
Sample Capacity	96-PCR plate (full-skirted) 96x0.2 ml tubes 12x8-strip
Temperature Range	4°C~99.9°C
Temperature Increment/Decrement	0.1°C~9.9°C, Suitable for touchdown PCR
Temperature difference range of lines	0.1°C~6.0°C
Max. ramp rate	0.1°C~4°C
Max.Heating Ramp Rate	Upto 5°C/s
Max.Cooling Ramp Rate	Upto 4°C/s
Display Interface	10.4', 262k-color LCD display and touch screen
Uniformity	±0.2°C
Accuracy	≤±0.1°C(55°C) ≤±0.15°C(≥95°C)≤±0.15°C(≥72°C)
Gradient Function	Yes
Hot Lid Temperature	30°C~110°C

Height of hot Lid	Automatic Adjusted
Max.No.of Cycle	99 Suitable for Nested PCR
Communication	RS232 / LAN and Bluetooth
Temp Control Mode	Block, tube
Memory Capacity	≥250 typical programs onboard, unlimited with USB flash drive expansion
Timer Range	0~9 min 59 sec, suitable for Long PCR
Auto pause/ power protection	Yes
Soak Function	Yes
Dimension (WxDxH)	316x457x309 mm
Power	600 W
Weight	14 kg
Power Supply	100-240 V, 50-60 Hz



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