



## MINI-PCR

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Mini-PCR works interchangeably with standard PCR assays, reagents, and consumables. It is portable, user friendly, small in size and easy to program with an intuitive user interface. It is benefit for students to understand with the animation presentation capabilities of the PC operating software.

Used in Molecular biology, Gene amplification, Gene Expression, Research, Development, Food Science, Pharmaceutical, Life Science, Animal Diagnostics, Analytical Laboratories.

Also known as Laboratory Gradient PCR Thermal Cycler, Gradient PCR Thermocycler, Gradient PCR Machine, Laboratory Gradient PCR Thermocycler.

## BTHC-202 MINI-PCR



- Convenient and flexible module change
- Large size and color super-high-definition LCD screen
- Intuitive and user-friendly interface, makes programming quick and easy
- Memory function in case of power-down
- Low noise, low energy consumption, long application life
- Solemn, elegant appearance, innovative design
- Specially designed lids reduce the evaporation during PCR
- Optimal panel keypad design for convenient operation
- Heat lid could be positioned at any angle for easy sample access
- Handle-module, more secure and convenient for module replacement, improving interchanging efficiency and long life span

## SPECIFICATIONS

Model	BTHC-202
Sample Capacity	0.2 mlx16
Temperature Range	8-99°C
Temperature Precision	±0.2°C
Ambient Temperature	Operation Temp:8-30°C
Max. ramp rate	3°C / s
Display Interface	Touchscreen, Turning Knob
Display Precision	0.1°C
Uniformity	±0.2°C
Hot Lid Temperature	105°C
Max.No.of Cycle	1-99
Program Storage	15
Timer Range	1 s~60 min
Dimension (WxDxH)	200x200x40 mm
Weight	2.4 kg
Power Supply	12 V, 10 A

## ACCESSORIES

Accessory Code	Name	Capacity
5200606009	Block C	96x0.2 ml+77x0.5 ml

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity
5200606006	Block A	96x0.2 ml
5200606007	Block B	54x0.5 ml
5200606008	Block D	384 well

## BTHC-203 REAL-TIME MINI THERMAL CYCLER



Peltier technology: Solid-state, thermoelectric heating and cooling unit for improved control and durability

Bottom detection system provides greater accuracy and sensitivity of measurements

High-powered photomultiplier provides sensitive detection

Long life LED excitation light source does not need maintenance or preheating

Hot-lid feature allows oil-free operation

Advanced PID control ensures the accuracy of temperature control

## SPECIFICATIONS

Model	BTHC-203
Temperature Range	4~100°C
Ambient Temperature	Operation Temp: 15-30°C; Storage Temp: 10-60°C
Ambient Humidity	Operation Humidity: 15-90% Relative Humidity; Storage Humidity: 5-95% Relative Humidity
Max. ramp rate	3°C / s
Reaction volume	10-150 µL
Block Formats	8 Wells
Block Material	Peltier
High Resolution Melt	Supported Resolution to 0.5°C
Multiplexing	Detect up to 2 dyes simultaneously, 470 / 520 nm(SYBR / FAM) and 565 / 625 nm(ROX / Texas Red)
Thermal Uniformity	±0.2°C
Thermal Accuracy	±0.2°C
Light Source	High power LED
Detector	Photodiode
PC Operation system	WIN2000
XP	WIN7
WIN8	Dimension (WxDxH)
190x205x98 mm	Weight
2.1 kg	Power Supply

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Excitation Wavelength(450-590 nm)	Emission Wavelength	Detected Fluorescence
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5200808006	Block A	48x0.2 ml (4 channels; auto hot-lid)	Standard Channels: F1:470 nm; F2:523 nm; F3:543 nm; F4:571 nm	Standard Channels: F1:525 nm; F2:564 nm; F3:584 nm; F4:612 nm	F1: FAM; SYBR Green I F2: HEX; VIC F3: TAMRA; JOE; Cy3 F4: TEXAS-RED; ROX
5200808007	Block B	48x0.2 ml (2 channels; manual hot-lid)	F1:470 nm; F2:564 nm	F1: 525 nm; F2: 564 nm	F1: FAM; SYBR Green I F2: HEX; VIC



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