

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

Also known as Laboratory Mini PCR, Mini PCR Machine, Laboratory Mini PCR Machine.

## PCR22-16 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	PCR22-16
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
5100505008	Block C	96x0.2 ml+77x0.5 ml

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity
5100505005	Block A	96x0.2 ml
5100505006	Block B	54x0.5 ml
5100505007	Block D	384 well

## PCR23-08 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	PCR23-08
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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5100707005	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
5100707006	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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