

# REAL-TIME THERMAL CYCLER PCR34-96



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Real-time PCR has revolutionized the way clinical microbiology laboratories diagnose human pathogens. It delivers reliability, sensitivity, and accuracy, which is optimized to enable the broadest range of real time PCR applications. Features like compact size, individually programmed wells, heated lids to prevent condensation, higher throughput and software integration makes it an unique choice.

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.

## PCR34-96 REAL-TIME THERMAL CYCLER

Petlier technology: Solid-state, thermoelectric heating nad cooling uni for improved cotrol and durability

Bottom detection system provides greater accuray and sensitivity of measurements

High-powered photomultiplier provides sensitive detection

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

Hot-lid feature allows oil-free operation

Advanced PID control ensure the accuracy of temperature control

Absolute Quantification, Relative Quantification, SNP Analysis

Data Automatic Analysis; Melting Curve Genotyping

Gradient; HRM; Multi-channel Crosstalks Correction

Background Correction; Automatic Gain; Customized Parameters



## SPECIFICATIONS

Model	PCR34-96
Sample Capacity	96-Well PCR plate, 12x8-strip, 96x0.2 ml(Bottom Transparent)
Temperature Range	4~105°C(Minimum Increment: 0.1°C) SOAK Low Temperature Conservation Function
Dynamics Range	1~1010 Copies
Excitation Wavelength	300-800 nm
Emission Wavelength	500-800 nm
Fluorescence Detection Repeatability	0.05
Scan Mode	Entire plate or Designated Line
Operation Mode	Continuous
Scan Period	5.5 s (F1 / F2 96 Plate Scan)
Sample Volume Range	5-100 $\mu$ L
Heating/Cooling adjustable rate	4.0°C / s
Temperature Fluctuation	$\leq \pm 0.1^{\circ}\text{C}$
Uniformity	$\leq \pm 0.3^{\circ}\text{C}$
Accuracy	$\leq \pm 0.1^{\circ}\text{C}$
Gradient Temp Range	1~36°C
Hot Lid Temperature	30°C~110°C
Height of hot Lid	Automatic Adjustable (Default 105°C)
Temp Control Mode	Block, tube Simulation Mode (Automatic Control Based on Sample Volume)
Memory Capacity	Memory: 2G Hard Disk: 32GB

PC Operation system	Microsoft: Windows 2000 / XP / vista / Windows 7 / Windows 8(Compatible with 64-bit operating system) Software: Excel2003 / 2007
Socket	USB Adapter, RS232C Adapter(optional), Bluetooth Adapter(optional)
Power	600 W
Weight	28 kg
Power Supply	100-240 V, 50-60 Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS52176	Block A	96x0.2 ml, 5 channels
LS52189	Block B	96x0.2 ml, 4 channels
LS52202	Block C	96x0.2 ml, 2 channels



**Biozef**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA  
Email: [info@biozef.com](mailto:info@biozef.com) | Website: [biozef.com](http://biozef.com)