REAL-TIME THERMAL CYCLER PCR35-96

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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 Mini PCR Machine, LLaboratory Mini PCR, Laboratory Mini PCR Machine.

PCR35-96 REAL-TIME THERMAL CYCLER

Two channel fluorescent detection system with LED light source and high resolution CCD

The optical system automatically collects data from all wells during data acquisition at the same time

It can discriminate up to five targets in a single reaction well

The optical filter sets are designed to maximize fluorescence detection for specific dyes in specific channels

Compatible with different reagent and consumables

Block utilizes most advanced Peltier-based technology with high amplification efficiency

Up to 6?/s maximum ramp rate saves your valuable time dramatically

Two independent temperature control mode- block and tube, maximize control flexibility

Excellent temperature uniformity limits the variation between wells, ensuring the accuracy of low copy sample

Manager Software accommodates individual needs with intuitive navigation and customizable settings

The software can be used for a variety of applications including absolute/relative quantification, melting curve (dissociation curve)

With integrated powerful visualization tools, the data is analyzed on machine directly

Advanced programming function like gradient and touch-down

The machine can be connected with PC through WI-FI or LAN

Software allows you to manage and monitor from your computer

Low noise, low energy consumption, long life-span

Chemistry-All real-time PCR-based chemistries. Flexibility for chemistries with or without passive reference dye

SPECIFICATIONS

Model	PCR35-96
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

Detected Fluorescence	F1: FAM, SYBR Green I; F2: VIC, HEX, TET, JOE, Cy3, TAMRA; F3:ROX, TEXAS-RAD, F4: CY5, Quasar-670; F5: CY5.5, Quasar-705
Scan Mode	Entire plate or Designated Line
Scan Period	5.5 s
Sample Volume Range	5-100 μL
Heating/Cooling adjustable rate	4.0°C / s(max)
Temperature Fluctuation	≤±0.1°C
Uniformity	≤±0.3°C
Accuracy	≤±0.1°C
Gradient Temp Range	1~36°C
Hot Lid Temperature	30°C~110°C
Height of hot Lid	Automatic Adjustable (Default 105°C)
Max.No.of Cycle	99
Max Segments	20
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 7 / Windows 8.1 Software: Excel2000 /2002 / 2003 / 2007 / 2012
Socket	USB Adapter, RS232 Adapter, Bluetooth Adapter
Dimension (W×D×H)	386x410x352 mm
Power	600 W

Centrifugen