

REAL-TIME THERMAL CYCLER PCR37-96C5



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

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

PCR37-96C5 REAL-TIME THERMAL CYCLER

Four 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°C/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 | PCR37-96C5 |
| Temperature Range | 0°C-100°C |
| Max. ramp rate | 6°C |
| Channel | 4 |
| Reactions per run | 96 |
| Reaction volume | 15µl-100µl |
| Block Formats | 96-well 0.2 ml |
| Block Material | Peltier |

| | |
|---------------------------|---|
| Detection filters/colors | Channel 1- 525nm, Channel 2- 570nm, Channel 3- 610nm, Channel 4- 678nm |
| Excitation filters/colors | Channel 1: 470 nm Channel 2: 525 nm Channel 3: 585 nm Channel 4: 610 nm |
| Uniformity | ±0.4°C (10 sec after reaching 95°C) ±0.2°C (10 sec after reaching 55°C) |
| Accuracy | ≤±0.1°C |
| Gradient Temp Range | 30°C~100°C |
| Sensitivity | Down to 1 copy |
| Color Combinations | Up to 5 |
| Light Source | High brightness monochrome LED |
| Detector | Highly sensitive cold light CCD |
| Detection dynamic range | 10 ² -10 ¹⁰ |
| Kits & Reagent | Channel 1: FAM / SYBR Channel 2: VIC / HEX / JOE / TET / TAMRA Channel 3: ROX / TEXRAD Channel 4: CY5 |
| Network | LAN / WIFI |
| Multiple control | Support |
| PC Operation system | WindowsXP / VISTA / Windows7 / Window8 |
| CPU | A8 |
| Operation system | linus |
| Communication | LAN/Wi-Fi |
| Dimension (LxWxH) | 592x440x280 mm |
| Package dimension(LxWxH) | 840x710x530 mm |
| Net Weight | 28.7 Kg |
| Gross Weight | 60 Kg |
| Power Supply | Standard configuration 220V/50HZ |

LABSTAC

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