

# REAL-TIME THERMAL CYCLER PCR33-48



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

## PCR33-48 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	PCR33-48
Sample Capacity	48x0.2 ml (Single tube or Strips 8 PCR tubes)
Temperature Range	4~105°C(Minimum setting scale: 0.1°C)
Detected Fluorescence	F1: FAM, SYBR Green I; F2: VIC, HEX, TET, JOE, Cy3, TAMRA; F3:ROX, TEXAS-RAD, F4: CY5, Quasar-670
Operation Mode	Continuous
Heating/Cooling adjustable rate	4.0°C / s(max)
Temperature Fluctuation	≤±0.1°C
Uniformity	≤±0.3°C
Accuracy	≤±0.1°C(55°C typical value)
Hot Lid Temperature	70°C~110°C
Height of hot Lid	Automatic Adjustable (Default 105°C)
PC Operation system	Microsoft: WindowsXP / VISTA / Windows7 / Window8
Socket	USB Adapter, RS232 Adapter, Bluetooth Adapter
Dimension (W×D×H)	384x353x348 mm
Power	600 W
Weight	13 kg
Power Supply	100-240 V, 50-60 Hz

## DETECTED FLUORESCENCE

A20	A40	A60	A80
F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE F3: Cy3, NED, TAMRA F4: ROX, TEXAS-RED	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE, Cy3, NED, TAMRA F3: ROX, TEXAS-RED F4: Cy5	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE F3: Cy3, NED, TAMRA F4: ROX, TEXAS-RED F5: Cy5 F6: Cy5.5 F7, F8: For Customized

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS52072	Block A	96x0.2 ml, 8 channels, bluetooth
LS52085	Block B	96x0.2 ml, 6 channels, bluetooth
LS52098	Block C	96x0.2 ml, 4 channels
LS52111	Block D	96x0.2 ml, 2 channels



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