



Key features

- Real Time PCR is a fluorescent quantitative system with a throughput of 96 wells and supports up to 6 channels. Offers a gradient temperature control range of 30 to 100°C with a maximum temperature difference of 40°C. Features automatic movement of the sample tray, facilitating integration with automated workstations and plate handlers. Our system combines an innovative thermal cycling system with precise photoelectric detection and advanced software.
- 10.1-inch high-definition color touchscreen Capable of restoring data after power on Highly sensitive PMT detection system Built-in analysis software for easy operation Temperature control for block or tube It supports qPCR (Real-Time PCR) Utilizes a full-spectrum high-power LED Highly sensitive photomultiplier tube Designed ergonomically for user comfort

Technical Specifications

- Fluorescence Detection Channels- 6 channels
- Reaction Per Run - 96
- Throughput - 96well × 0.2ml (half-skirted/no-skirted plate)
- Block Compatibility - 96 well Plates, 12- well strips tube, and 8- well strip tube.
- Programmable Span - 999 cycles
- Dynamic Range - 1 to 10¹⁰copies
- Detection Location - Top detection

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Single Channel Scan Time -33s
- Excitation Light Wavelength - 400 to 800nm
- Detection Wavelength - 500 to 800nm
- Fluorochrome Dye - Channel 1: FAM/SYBR Green I
 Channel 2: JOE/HEX/TETA/IC
 Channel 3: NED/TAMRA/Cy3
 Channel 4: ROX/Texas Red
 Channel 5: Cy5
 Channel 6: Cy5.5
- Excitation Light Source - full-spectrum LED
- Detector - PMT
- Block Material - Peltier
- Block Temperature Range - 4 to 105°C
- Block Temperature Accuracy - $\leq \pm 0.1^\circ\text{C}$
- Block Temperature Precision - $\leq \pm 0.1^\circ\text{C}$
- Block Temperature Uniformity - $\leq \pm 0.1^\circ\text{C}$
- Block Ramping Rate - $\geq 6^\circ\text{C/S}$
- Temperature Control Mode - Block mode, Tube mode
- Gradient Temperature Difference - 1 to 40°C
- Sample Volume Range - 5 to 100 μL
- Heated Lid Temperature Range - 30°C to 110°C (default 105°C)
- Fluorescence Intensity - $\text{CV} \leq 3\%$
- Detection Repeatability - Yes
- Touch Screen - 10.1-inch touch screen
- Scan Mode - Full plate scan or specified line scan
- Software Functions - Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc.
- Operation System - PC software (Windows 8 or higher), Built-in software
- Communication Ports - USB Type-A port $\times 2$, USB Type-B port, RJ45 port
- Power-Off Protection Function - Yes



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