◆ PARAMETERS ◆

| Name Real-Time Fluorescent Quantitative PCR System | | | |
|---|-------------------------------------|---|--------------------------|
| Throughput Applicable consumables PCR single tube or strip, 96well*0.2ml half skirted/ no skirted plate Dynamic range 1-10¹ºcopies Top detection Excitation light wavelength 400-800nm Detection wavelength Fluorescence channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 5: Cy5 Excitation light source Detector Block temperature range Block temperature uniformity Max heating & cooling rate of block Gradient temperature dontrol mode Sample volume range Heated lid temperature range Software functions Software functions PC software, dual operation modes Software functions PC software, dual operation modes POTS Power-off protection function Sample plate control mode Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension PSOF software dual operation modees Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension | Name | Real-Time Fluorescent Quantitative PCR System | |
| Applicable consumables PCR single tube or strip, 96well*0.2ml half skirted/ no skirted plate Dynamic range 1-10¹⁰copies Detection location Top detection Excitation light wavelength 400-800nm Detection wavelength 500-800nm Fluorescence channels 6 channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 4: ROX/Texas Red Channel 5: Cy5 Channel 4: ROX/Texas Red Channel 6: Cy5.5 Excitation light source pMT Elock temperature range 4-405°C Block temperature range 4-405°C 4-405°C 4-405°C Block temperature precision ≤±0.1°C 4-405°C 4-40°C 4-40°C< | Model | QuantReady K9600 | |
| Dynamic range Detection location Excitation light wavelength Detection wavelength Detection wavelength Fluorescence channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 4: ROX/Texas Red Channel 5: Cy5 Channel 6: Cy5.5 Excitation light source Detector PMT Block temperature range Block temperature accuracy \$\frac{\pmathbm{4}}{\pmathbm{2}} \text{ \frac{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}}} \text{ \frac{\pmathbm{2}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{\pmathbm{2}}{ | Throughput | 96 well (12 X 8) | |
| Detection location Excitation light wavelength Detection wavelength 500-800nm Fluorescence channels 6 channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 4: ROX/Texas Red Channel 5: Cy5 Excitation light source Detector PMT Block temperature range 4~105°C Block temperature precision \$\frac{\pmathbf{\text{channel}}}{\pmathbf{\text{channel}}} \frac{\pmathbf{\text{channel}}}{\pmathbf{\text{channel}}} \fra | Applicable consumables | PCR single tube or strip, 96well*0.2ml half skirted/ no skirted plate | |
| Excitation light wavelength Detection wavelength Fluorescence channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 5: Cy5 Excitation light source Detector Detector Block temperature range Block temperature uniformity \$\frac{\pmathbm{4}}{\pmathcm{2}}\text{-105°C}\$ Block temperature uniformity \$\frac{\pmathcm{2}}{\pmathcm{2}}\text{-10°C}\$ Block temperature difference Block temperature difference Block temperature control mode Block mode, analog Tube mode Sample volume range \$\frac{\pmathcm{2}}{\pmathcm{2}}\text{-100°C}\$ Fluorescence intensity detection repeatability Touch screen Scan mode Full plate scan or specified line scan Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. PC software, dual operation modes Ports USB Type-A port \times 2, USB Type-B port, RJ45 port YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm\times25(L)mm\times420(H)mm | Dynamic range | 1-10 ¹⁰ copies | |
| Detection wavelength 500-800nm Fluorescence channels 6 channels 6 channels Fluorochrome/dye Channel 1: FAM/SYBR Green Channel 4: ROX/Texas Red Channel 5: Cy5 Channel 5: Cy5 Channel 6: Cy5.5 | Detection location | Top detection | |
| Fluorescence channels Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 4: ROX/Texas Red Channel 5: Cy5 Excitation light source full-spectrum LED Detector PMT Block temperature range Block temperature accuracy S±0.1°C Block temperature uniformity Max heating & cooling rate of block Gradient temperature control mode Block temperature range Block temperature control mode Sample volume range Heated lid temperature range S-100 µL Heated lid temperature range S-101°C (default 105°C) Fluorescence intensity detection repeatability Touch screen Scan mode Software functions Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. PC software, dual operation modes Ports Power-off protection function Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Excitation light wavelength | 400-800nm | |
| Fluorochrome/dye Channel 1: FAM/SYBR Green I Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3 Channel 4: ROX/Texas Red Channel 6: Cy5.5 Excitation light source full-spectrum LED Detector PMT Block temperature range 4~105°C Block temperature precision ≤±0.1°C Block temperature uniformity ≤±0.1°C Max heating & cooling rate of block ≥6°C/s Gradient temperature difference 1-40°C Block temperature control mode Block mode, analog Tube mode Sample volume range 5-100 μL Heated lid temperature range 5-100 μL Fluorescence intensity detection repeatability CV≤3% Touch screen Yes, 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, dual operation modes Ports USB Type-A port × 2, USB Type-B port, RJ45 port Power-off protection function YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimensi | Detection wavelength | 500-800nm | |
| Channel 3: NED/TAMRA/Cy3 Channel 4: ROX/Texas Red Channel 6: Cy5.5 Excitation light source Full-spectrum LED Detector PMT Block temperature range Block temperature accuracy Block temperature precision Block temperature uniformity ≤±0.1°C Block temperature uniformity ≤±0.1°C Max heating & cooling rate of block Gradient temperature difference Block temperature control mode Block mode, analog Tube mode Sample volume range Heated lid temperature range Fluorescence intensity detection repeatability Touch screen Scan mode Software functions Full plate scan or specified line scan Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. PC software, dual operation modes Ports USB Type-A port × 2, USB Type-B port, RJ45 port YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Fluorescence channels | 6 channels | |
| Detector PMT Block temperature range 4~105°C Block temperature accuracy ≤±0.1°C Block temperature precision ≤±0.1°C Block temperature uniformity ≤±0.1°C Max heating & cooling rate of block ≥6°C/s Gradient temperature difference 1-40°C Block temperature control mode Block mode, analog Tube mode Sample volume range 5-100 μL Heated lid temperature range 5-100 μL Heated lid temperature range 5-100 μL Fluorescence intensity detection repeatability CV≤3% Touch screen Yes, 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, dual operation modes Ports USB Type-A port × 2, USB Type-B port, RJ45 port Power-off protection function YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×42 | Fluorochrome/dye | Channel 3: NED/TAMRA/Cy3 | Channel 4: ROX/Texas Red |
| Block temperature range Block temperature accuracy \$\pmu 0.1°C \$\pm 0.1°C \$\p | Excitation light source | full-spectrum LED | |
| Block temperature accuracy ≤±0.1°C Block temperature uniformity ≤±0.1°C Max heating & cooling rate of block ≥6°C/s Gradient temperature difference 1-40°C Block temperature control mode Block mode, analog Tube mode Sample volume range 5-100 μL Heated lid temperature range 30°C-110°C (default 105°C) Fluorescence intensity detection repeatability CV≤3% Touch screen Yes, 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, dual operation modes Ports USB Type-A port × 2, USB Type-B port, RJ45 port Power-off protection function YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Detector | PMT | |
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| Block temperature uniformity Max heating & cooling rate of block Gradient temperature difference 1-40°C Block temperature control mode Block mode, analog Tube mode Sample volume range 5-100 μL Heated lid temperature range Fluorescence intensity detection repeatability Touch screen Scan mode Software functions Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. Operation system Ports USB Type-A port × 2, USB Type-B port, RJ45 port Power-off protection function Sample plate control mode Dimension 320(W)mm×525(L)mm×420(H)mm | Block temperature accuracy | ≤±0.1°C | |
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| Heated lid temperature range Sover 110°C (default 105°C) Fluorescence intensity detection repeatability Touch screen Yes, 10.1-inch touch screen Scan mode Full plate scan or specified line scan Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. Operation system Ports Power-off protection function Sample plate control mode Dimension 30°C-110°C (default 105°C) CV≤3% Yes, 10.1-inch touch screen Full plate scan or specified line scan Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. PC software, dual operation modes USB Type-A port × 2, USB Type-B port, RJ45 port YES, data can be restored after power-on Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Block temperature control mode | Block mode, analog Tube mode | |
| Fluorescence intensity detection repeatability Touch screen Scan mode Software functions Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. Operation system Ports Power-off protection function Sample plate control mode Dimension CV≤3% Yes, 10.1-inch touch screen Full plate scan or specified line scan Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc. PC software, dual operation modes USB Type-A port × 2, USB Type-B port, RJ45 port YES, data can be restored after power-on Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Sample volume range | 5-100 μL | |
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| Melting curve, SNP genotyping, HRM, Quick run, etc. Operation system PC software, dual operation modes USB Type-A port × 2, USB Type-B port, RJ45 port Power-off protection function YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Scan mode | Full plate scan or specified line scan | |
| Ports USB Type-A port × 2, USB Type-B port, RJ45 port YES, data can be restored after power-on Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Software functions | | |
| Power-off protection function Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension YES, data can be restored after power-on Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. 320(W)mm×525(L)mm×420(H)mm | Operation system | PC software, dual operation modes | |
| Sample plate control mode Automatic in/out, dual software detection, preset interface, automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Ports | USB Type-A port × 2, USB Type-B port, RJ45 port | |
| automatic workstation can be connected. Dimension 320(W)mm×525(L)mm×420(H)mm | Power-off protection function | YES, data can be restored after power-on | |
| | Sample plate control mode | | |
| Net weight 27 Kg | Dimension | 320(W)mm×525(L)mm×420(H)mm | |
| | Net weight | 27 Kg | |



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WEBSITE



QuantReady K9600

Real-Time Fluorescent Quantitative PCR System

96-well high-throughput

Highly sensitive PMT detection

Up to 6 channels

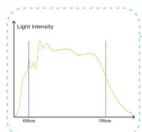
Maximum 40°C gradient temperature



INTRODUCTION

QuantReady is a 96well touchscreen quantitative fluorescence Real-time PCR System, which has two temperature control mode of Block or analog Tube, dual operating system, equipped with a 10.1-inch high-definition color touch screen, with the built-in analysis software to achieve easy use. Combining the innovative thermal cycling system, accurate photoelectric detection system, powerful software etc., it escorts the accuracy of experimental results.

◆ FEATURES ◆



* High-sensitivity

The full-spectrum high-power LED with high sensitive Hamamatsu photomultiplier tube top scanning, to achieve higher sensitivity and accuracy of the machine.



* High-precision

High-precision temperature control guarantees the block temperature resolution at 0.1 °C and temperature uniformity of 0.1 °C. Gradient temperature control range is 30-100 °C and the maximum temperature difference is 40 °C.



* Automation

Sample plate automatic out, 96-well high-throughput, can be connected to an automated workstation.



* International design

Designed by a German professional team, the design conforms to ergonomic characteristics, meets the user's operation requirements, and has a sense of technology as a whole.

◆ STATUS DISPLAY ◆





Working

◆ SOFTWARE DISPLAY ◆

Built-in software



PC software





10.1-inch large touch screen, precise response, convenient operation.



6 fluorescence channels to meet a variety of experimental schemes.



Preset templates + "Quick Run", start experiment immediately.



Connected with automatic workstation to realize unmanned detection.



Flexible program settings to meet the individual needs of users.



Diversified online mode, suitable for different application scenarios.



Dual operating system to improve user's experience.

Printing report

