Bioer Technology

QuantGene 9600

Real-Time PCR DetectionSystem

Keep absorbing and improving

Japanese Design Team
Professional BIOER qPCR family appearance design

APP Adopted
Real time monitoring for easy administration and operation

Large Touch Screen
Stand-alone operation or upload PC edited programs by USB

Modular Design
Multiple configuration options and multiple functions added



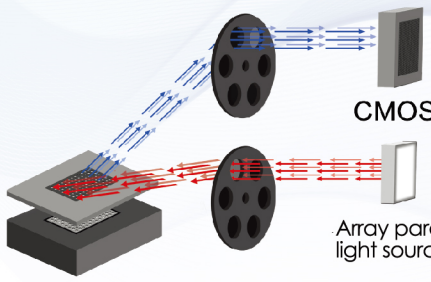
- 6-partition independent temperature control
- Fully automatic sample cavity
- The Window 10 system
- Popular 6 channel configuration
- Top detection, No calibration required

CE RoHS

* All right reserved. Please refer to actual product for true colour representation.

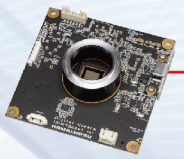
Product Features

New optical path system



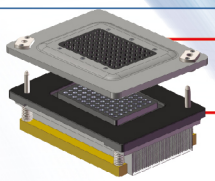
- All new array parallel light source; Improve exciting light effect, intensify fluorescence signal.
- Use independent filter wheels for exciting and emission; No need expand channel for second exciting detection test.
- Adopt cluster conduction design of imported high-end optical fibers, to improve fluorescence signal intensity and reduce photo conduction loss.
- Adopt top imaging technology, takes 1 sec max. for 1 channel detection

Optical Path system



Optical path
- Adopt new generation high sensitive CMOS
- All new optical design and vision algorithm

Excellent temp. control and sealing



Hot-lid
- Improved temp. uniformity

Cooling&Heating Block
- Adopt long life Peltier
- With 6 independent temp. control zones
- Adaptable for multiple PCR tubes, strips and plates

Recommend related reagent

Fluorescence Quantitative PCR Kits	General PCR kits
Salmonella Fluorescence Quantitative PCR Detection Kit	BioEasy Master Mix Plus (SYBR Green)
E. coli O157 Fluorescence Quantitative PCR Detection Kit	BioEasy Master Mix (Probe,high ROX)
Staphylococcus aureus Fluorescence Quantitative PCR Detection Kit	BioRT Real Time RT-PCR kit
HCMV Fluorescence Quantitative PCR Detection Kit	BioRT Real Time RT-PCR kit (SYBR Green)

Specification

Product Name	QuantGene 9600					
Model	FQD-96C					
Sample Capacity	0.2ml single tube (transparent cap), 96X0.2(0.1)ml Plate (transparent cap), 8-strip tubes (transparent cap)					
Reaction Volume	10-100μl (96 plate)					
Dynamics Range	1-10^{10} Copies/L					
Excitation Wavelength	300~800nm					
Emission Wavelength	500~800nm					
Block Temp. Range	4-105 ℃ (Minimum Increment: 0.1℃)					
Temp.Control Mode	BLOCK/TUBE simulation mode					
Temp.Control Tech	Peltier					
Temp. Display Resolution	± 0.15°C					
Temp. Uniformity	≤± 0.2°C					
Maximum Heating/Cooling Rate	6°C/s					
Gradient Control Section	6 Independent temp. control zones					
Hot-lid Temp	Range: 30-110℃					
Fluorescence Dyes	F1 FAM、SYBR Green I	F2 VIC、HEX、TET、JOE、TAMRA、CY3、NED	F3 ROX、Texas-Red	F4 Cy5	F5 Cy5.5	F6 For Customized
Power Supply	100-240V, 50/60Hz, 600VA					
Communication Interface	USB adapter (to PC), bluetooth adapter					
Sensitivity	Distinguish 500 and 1000 concentration					
Dimension	380*400*380					
Net Weight	20KG					
Safeguard And Alarm	Hot-lid over heat protection and alarm, switching power supply over heat protection					
Certifications	CE/RoHS					

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