

Q9600 Pro Series Real Time PCR

Experimental Fast

Simple Operation



Feature

1 With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions.

2 High temperature control performance with MARLOW customized Peltier.

3 With temperature gradient function, 12 rows of gradient temperature settings can be realized at a time.

4 Maximum ramping rate 8 C/s, saving the test time.

5 LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.

6 Strong fluorescence signal, low background noise and high sensitivity.



12.1" retractable color touch screen, the screen angle can be adjusted



Configure automation hot lid, can be used with automation workstation, improve work efficiency



Unique side scan technology, all channels can be detected simultaneously, complete the scan of all fluorescent channels of 96 samples within 5S

Parameters

Model/Specification			
Model No.	Q9602 Pro	Q9604 Pro	Q9606 Pro
Sample Capacity	96 well, 12×8 strip, 96×0.2ml single tube		
Formats	0.2ml tube, 0.2ml 8-tube strips, 0.2ml 96 well plate		
Reaction Volume	10-100ul		
Temperature Control Performance			
Temperature Range	0-100°C		
MAX. Ramp Rate	8°C		
Temp. Fluctuation	±0.1°C		
Uniformity	±0.2°C		
Accuracy	±0.1°C		
Gradient Speed	0.1-42°C		
Hot Lid Temperature	30 C-110 C (Adjustable, default 105 C)		
Temperature Control	Block/Tube		
Optical Performance			
Excitation Wavelength	300-810nm		
Emission Wavelength	500-810nm		
Detection Channel	2channel	4channel	6channel
Detection Method	All channels scan at the same time		
Scan Period	5 seconds to complete 96 well test		
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/CY3/YELLOW	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/CY3/YELLOW F3: ROX/Texas Red F4: Cy5	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5 F5: Cy5.5 F6: CY3
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10 ⁷ Copies		
Sensitivity	1 copy		
Control System			
Lid Operation	Automatic hot lid		
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, allele identification, temperature gradient function, etc.		
Data Management	Audit Trail System		
Operation System	Win7, Win10, Win11		
Remote Monitoring	Can connected to laboratory management system		
Automation Platform	Can be used with automated workstations		
Date Export Formats	excel, csv, txt, pdf		
Printing	Report can be printed directly		
Control Method	12.1-inch retractable color touch screen control or connect to computer control		
Communication	USB2.0, RS232		
Other Performance			
Dimension	520×350×330mm(L×W×H)		
Weight	30KG		
Voltage	100-220VAC, 50-60Hz		
Power	1500W		