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℃		
MAX. Ramp Rate	8℃		
Temp. Fluctuation	≤±0.1℃		
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Gradient Spreed	0.1-42℃		
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）		
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/YELLOW	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/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 ^{10} Copies		
Sensitivity	1 copy		
Control System			
Lid Operation	Automatic hot lid		
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, standard 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		
	Can be used with automated workstations		
Date Export Formats	xls,csv,txt，pdf,jpg		
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	32KG		
Voltage	100-220VAC，50-60Hz		
Power	1500W		

BIO-GENER

Q9600 Pro Series
Real Time PCR

- Strong fluorescence signal, low background noise and high sensitivity
- 96 samples 6 fluorescent channels are scaned within 5S
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free
- Automatic hot lid, which can be used with automated workstations to improve work efficiency
- With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions, and can be run offline
- Powerful software analys is functions can perform qualitative/ quantitative analysis, high -resolution melting curve, genetic typing, relative quantitative, temperature gradient function, etc.

Product Description

Q9600 Pro is a high-throughput real-time PCR instrument developed by Bio-Gener company. It adheres to the principles of high efficiency and quality, combined with the advanced temperature control system and optical system, as well as powerful software analysis functions. It can realize applications such as qualitative/quantitative analysis, genotyping , allele identification, HRM, melting curve analysis and etc . The product adopts side scan technology and all channels are collected at the same time. 96 samples can be scanned within 5 seconds to save the test time. This product has powerful software and hardware functions to meet the different needs.

Product Features

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

Configure automation hot lid,
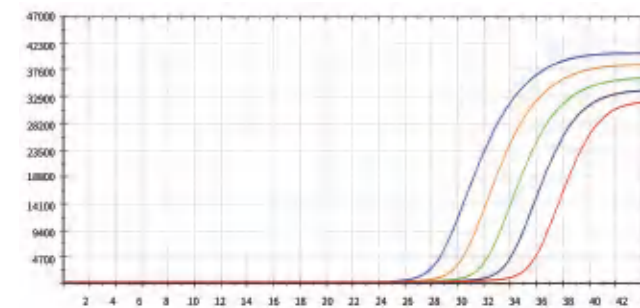**Can be used with automation workstation,**
Improve work efficiency

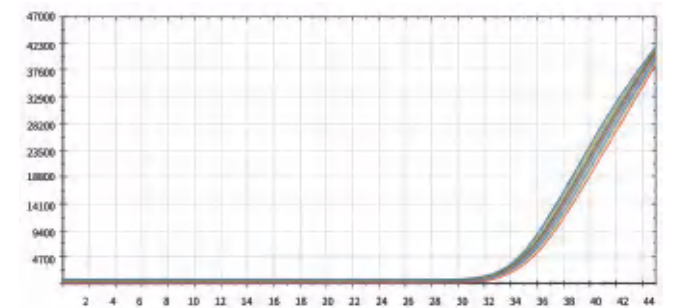**fluorescence side scan technology**

Emission
Excitation
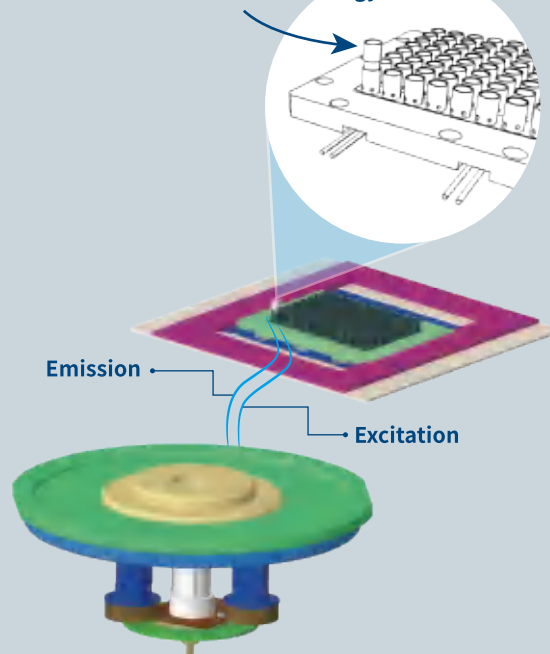
Unique side scan technology,
All channels can be detected simultaneously,
Complete the scan of all fluorescent channels
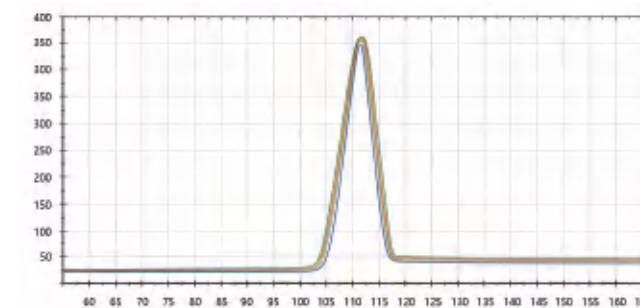of 96 samples within 5S.

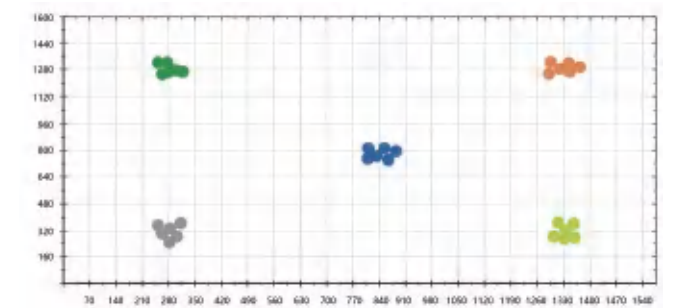**Powerful software analysis function**

Melting Curve

Repeatability
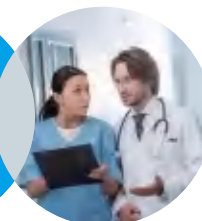
Genotyping

Gradient Linear

Application

Scientific Research

Research institutions and molecular clones, gene expression, and genotyping of various colleges and universities

Clinical Diagnosis

Medical institutions perform pathogen testing, genetic screening, various infectious diseases, tumor diagnosis, etc.

Animal husbandry agriculture

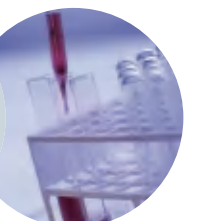Environmental testing, pesticide residues and soil testing

Pet medica

Detectives of various pet pathogens (such as avian influenza, foot -and -mouth disease, swine fever, etc.) and health monitoring

Food Safety

All kinds of food microbial detection, allergens, genetically modified food, real and false meat identification, etc.

In vitro diagnosis

Reagent development, verification, regeneration drugs, etc.