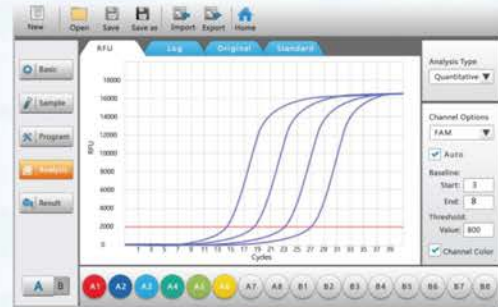
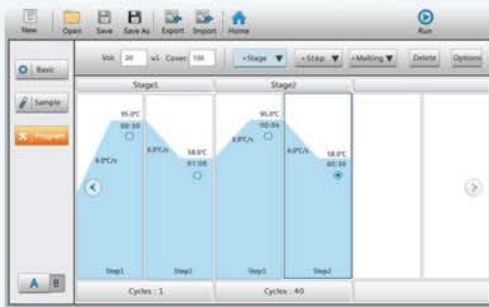


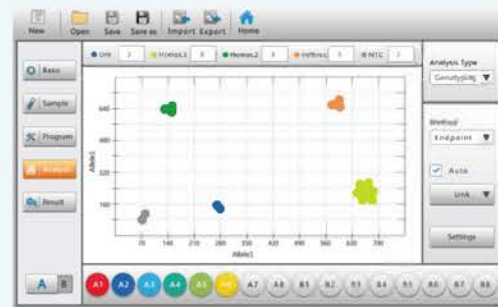
# Q1600 Real-time PCR System



Q1600 Real-Time PCR System is a portable fluorescence quantitative PCR instrument. This product adopts double channels and double 8-hole blocks design, which can realize multi-purpose of one machine, embedded 7-inch high-definition TFT color touch screen, win10 operating system, with analysis software, and can complete quantitative analysis and printing report without computer. It adopts American Marlow custom-made peltier module, high sensitivity photo-electric detector and side scan technology, to ensure superior performance and stable detection results. Application fields: the product can be used for real-time detection of pasture, forest farm, breeding farm and water source, rapid diagnosis of disaster and epidemic prevention and control, inspection and quarantine in the field of food safety, and scientific research in biological laboratory.



Well	Dye	Items	Name	ID	Type	Job.com
A1	FAM	VIC				
A2	FAM	VIC				
A3	FAM	VIC				
A4	FAM	VIC				
A5	FAM	VIC				
A6	FAM	VIC				



## Feature ▼

- 1). Double channels and double 8-hole blocks design, can run two different programs at the same time.
- 2). Small size, light weight, easy to carry.
- 3). Powerful software analysis function, which can be used for Qualitative/Quantitative, Melt Curve, Genotyping, etc.
- 4). 7-inch high-definition TFT color touch screen, and embedded win10 operating system.
- 5). Built in 20G flash memory, which can save up to 40000 pieces of experimental data.
- 6). Optional printer, no need to connect the computer to print the experimental results directly.
- 7). Side scan technology is used to detect the short distance and the fluorescence acquisition signal is stable.
- 8). Black reaction block to avoid background noise.
- 9). Adopt the same acquisition optical path to improve the repeatability.
- 10). LED light source, energy saving and environmental protection, long service life, maintenance free.
- 11). The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
- 12). Front shutdown button makes file data more secure.
- 13). Constant current control circuit, smooth power output, extended Peltier life, improved temperature control accuracy.
- 14). It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- 15). Forward and backward air vent design, can be placed side by side, saving laboratory space.
- 16). It can be supported for battery power supply, suitable for quick inspection and field inspection.

## Specification ▼

Model No.	Q1601	Q1602
Capacity	16×0.2ml(2×8 hole, double block)	
Tubes Option	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	10-100µl	
Temperature control technology	Marlow customized Peltier allow 1,000,000 cycles	
Temperature Range	0-100°C(Resolution:0.1°C)	
MAX. Ramp Rate	6°C/s	
Temperature fluctuation	±0.1°C	
Uniformity	±0.25°C	
Accuracy	±0.25°C	
Hot Lid Temperature	30-115°C(Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Fluorescence Excitation Range	460-550nm	
Fluorescence Detection Range	F1 : 520-540nm	F1 : 520-540nm F2 : 540-580nm
Factory Calibrated Dyes	F1:FAM/SYBR Green I	F1:FAM/SYBR Green I F2: HEX/VIC/JOE/TET
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10 <sup>10</sup> Copies	
Detection Sensitivity	Detects 1 copy	
Software analysis function	Qualitative/Quantitative, Melt Curve, Genotyping	
Date Export Formats	excel, csv, txt	
Display	7 inch color TFT touch screen, 1280×800 pels	
Communication Parts	WIFI/USB2.0	
Dimension	300x267x198mm(L x W x H)	
Net Weight	5.5KG	
Power	DC15V , 250W	