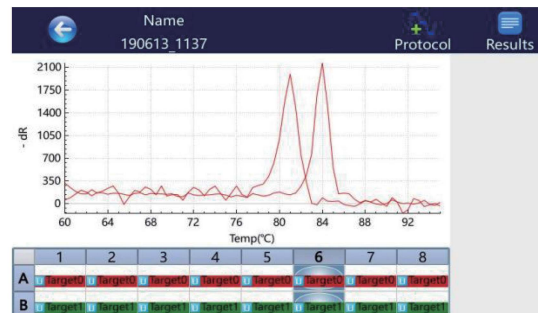
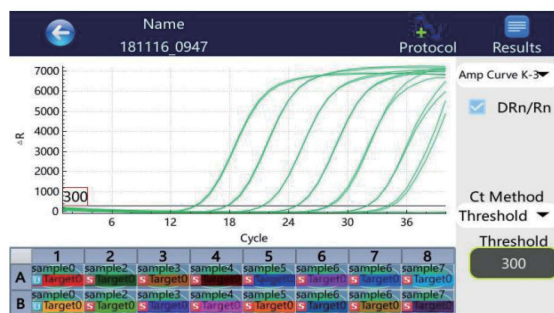


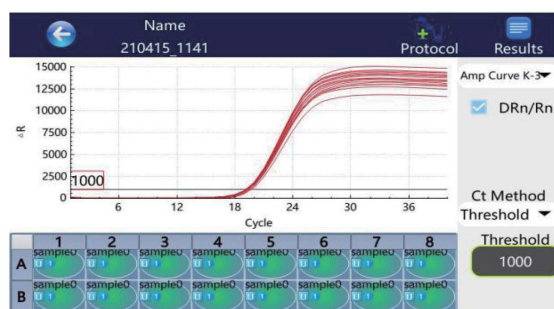
- 1 All operations can be done with the built-in 7" touch screen, no need for connecting a personal computer.
- 2 Simple and intuitive program, qPCR plate setup, easy to use, without prior reading the user guide thoroughly.
- 3 Standard curves for absolute quantification. Melt-curve to verify product identity.



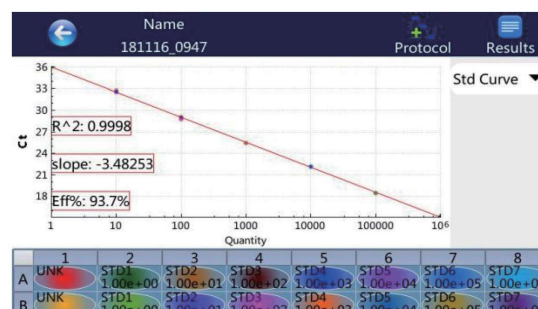
- 4 The software directly gives an intuitive yes or no result, so users don't have to think about complicated software operations and parameter settings, it's very easy to get started. At the same time, the automatic judgment of the software can also avoid the misjudgment caused by the manual judgment.

Well	Sample	Target	Dye	Type	Ct	Quantity	Tim	Results
A1	1	ORF	FAM	POS	25.2763	/		POS
A1	1	IC	HEX	POS	27.567	/		POS
A1	1	N	ROX	POS	29.1513	/		POS
A2	2	ORF	FAM	POS	25.106	/		POS
A2	2	IC	HEX	POS	27.2732	/		POS
A2	2	N	ROX	POS	28.8226	/		POS

- 5 Fluorescence signals for all wells are of outstanding uniformity, without edge effect.



- 6 Accurate quantification by standard curve.



Portable Mini Real-Time qPCR System

Q160 Series



HANGZHOU LONGGENE SCIENTIFIC INSTRUMENT CO., LTD.

Headquarters Address: C512-513, Xihu International Plaza, No.391, Wen Er Road, Hangzhou, China

Tel: +86 571 8886 2165, 8886 2284

Website: <http://en.longgene.com>

Email: [info@longgene.com](mailto:info@longgene.com)

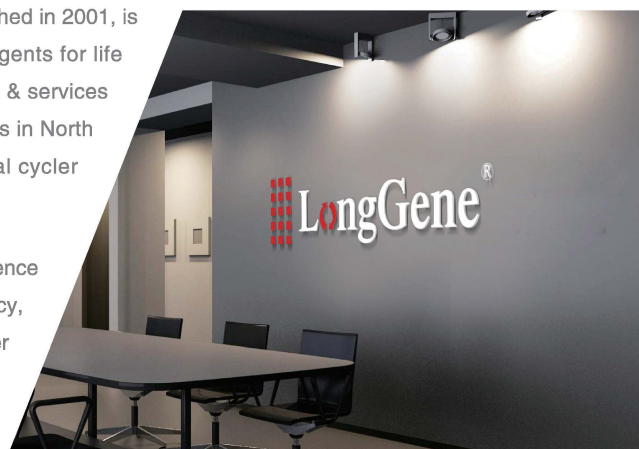
QQ: 496082291 (WeChat the same)



## COMPANY PROFILE

Hangzhou LongGene Scientific Instruments Co., Ltd. established in 2001, is a leading company which specializes in instruments & reagents for life science with advanced & innovative solutions. Our products & services are globally renown, including universities & research centers in North America & Europe. We are the leader of high-end thermal cycler manufacturer in China.

Our senior management team has more than 20 years experience in the life science industry. "Commitment, dedication efficiency, innovation & collaboration" is our company motto. As a pioneer of the life science technology industry in China, we aim to contribute to the global gene technology industry by delivering the most advanced products & cutting-edge solutions.



## MAIN ADVANTAGE

### FAST,

1. Fast ramping rate of up to 5° C/sec.
2. Operation on instrument directly without/with PC.
3. 16 wells 2/4 channels optional.
4. Innovative SSLP™ CCD imaging technology for qPCR, fluorescence of all sample holes is detected at the same time.

### ACCURATE,

1. T-Optical™ top detection technology, white PCR tube could be used, produce better sensibility.
2. Long-life Peltier element could reach more than 1,000,000 thermal cycles.
3. Fluorescence signals of outstanding uniformity for all wells, without edge effect.

### STABLE,

1. Optical system of solid-state design, no moving parts.
2. Non-mechanical scanning parts, non-fiber, non PMT design.
3. Reliable design greatly reducing maintenance costs.

### LIGHT,

1. Small size, light weight (only 3.6KG), easily portable.
2. Optional mobile power supply for outdoor work.



## TECHNICAL PARAMETERS

Model	Q160	Q160C
<b>PERFORMANCE</b>		
Sample Block Capacity	16 wells * 0.1ml	
Reaction Volume	10-100ul	
Tubes Option	Low-profile white 0.1 ml PCR tube/8-tube strips with optical flat cap	
Heating & Cooling Technology	New generation Peltier technology allow 1,000,000 cycles	
Control Methods	Built-in full operation and analysis functions, no external computer required	
Optical system	SSLP™ CCD imaging technology	
Display	7" Color TFT Touch Screen, Edit, run and view results at a glance	
PC Connection(Extra Option)	Remote PC control to manage no more than 30 units across the LAN network	
<b>TEMPERATURE</b>		
Block Temp.Range	4°C~100°C	
Max. Heating Rate	5°C/sec	
Max. Cooling Rate	4°C/sec	
Temp.Uniformity	±0.25°C	
Temp.Accuracy	±0.1°C	
Display Resolution	0.1°C	
Heat Lid Temp.Range	30°C~112°C	
<b>OPTICAL MODULE</b>		
Excitation	Long life LEDs	
Detection	CCDs	
Dynamic Range	1-10 <sup>10</sup>	
Detection Sensitivity	Detects 1 copy	
Calibrated Dyes at Installation	F1: FAM/SYBR GREEN F2: VIC/HEX/JOE/CY3/TET*(★Customizable)	F1: FAM/SYBR Green F2: VIC / HEX / JOE / CY3 / TET*(★Customizable) F3: ROX/TEXAS-RED/TAMRA* (★Customizable) F4: CY5/Quasar670
Fluorescence Excitation Range	400-800nm	
Fluorescence Detection Range	500-800nm	
Data Export Formats	TXT, PDF, WORD, EXCEL	
<b>OTHER FEATURES</b>		
Power Supply	100-240V, 50-60 Hz	
Consumption	160 W	
Communication Ports	USB 2.0 & LAN, export data via USB flash drive	
Dimensions (L×W×H)	305×179×186mm	
Net Weight	3.6kg	
Language	English	
Certificate	ISO13485:2016, ISO9001:2015, CE-IVDR, CE	