

Q160 Portable Mini Real-Time PCR Thermal Cycler



Top excitation and detection technology ensure white tubes could be used, which could get better results



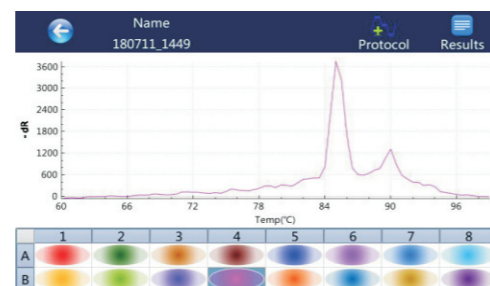
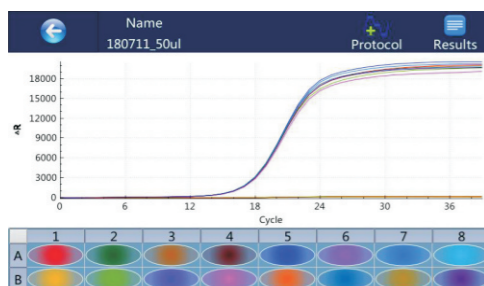
7" TFT Full Color touch screen, all operation and analysis could be done on board with no computer

Self-lock heat lid realize no evaporation

16 wells with 2 channels, specialize in fast quantification

© Software Function

Amplification curves, melt peak curves and standard curves could be view directly on the screen.



	1	2	3	4	5	6	7	8
A	Ct value	18.20	18.15	18.20	18.20			
B	Ct value	18.10	18.21	18.12	18.20			

	1	2	3	4	5	6	7	8
A	+/-	+	+	+	+	+	?	?
B	+/-	+	+	+	+	+	?	?

Analysis function like automatic calculation for Ct value and Melt temperature (Tm) Value, and Negative/Positive Automated Determination on board.

Model	Q160
PERFORMANCE	
Sample Block Capacity	16 wells * 0.1ml
Reaction Volume	10–100ul
Tubes Option	Low-profile white or clear 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
Language	English
Communication Ports	USB 2.0 & LAN, export data via USB flash drive
Display	7" Color TFT Touch Screen
TEMPERATURE	
Block Temp.Range	4°C~100°C
Max. Heating Rate	5°C/sec
Max. Cooling Rate	4°C/sec
Temp.Uniformity	± 0.25°C at 90°C
Temp.Accuracy	± 0.25°C (10 seconds after reach 90°C)
Display Resolution	0.1°C
Heat Lid Temp.Range	30°C~105°C
Temp.Control Mode	Block & Sim-tube mode
OPTICAL MODULE	
Excitation	Long life LED
Detection	High sensitivity photoelectric detector
Dynamic Range	10 ¹ ~ 10 ¹⁰
Detection Sensitivity	Detects 1 copy
Fluorescence Detection Type	T-Optical™ excitation & top detection technology; with no moving parts.
Calibrated Dyes at Installation	Channel 1: FAM、SYBR, Channel 2: VIC、HEX、JOE
Fluorescence Excitation Range	470–500nm
Fluorescence Detection Range	Channel 1: 520 – 540nm, Channel 2: 540 – 700nm
Data Export Formats	Excel, TXT
OTHER FEATURES	
Power	Global switch power supply : 85V–265V, 50–60Hz
Consumption	160W
Net Weight	3.6 KG
Dimensions (L x W x H)	305x 179x 186mm