



## Q96: Real-Time Quantitative PCR



System Specifications	
Throughput	96 Well (12x8)
Dynamic Range	1-10
Detection Location	Top Detection
Excitation light wavelength	400-800nm
Detection Wavelength	500-800nm
Fluorescence Channels	Channel 1: FAM/SYBR Green I    Channel 2: JOE/HEX/TET/VIC Channel 3: NED/TAMRA/Cy3    Channel 4: ROX/Texas Red Channel 5: Cy5    Channel 6: Cy5.5
Excitation light source	full-spectrum LED
Detector	Polymerase Modulator on Temperature (PMT)
Block Temperature Range	4~105°C
Sample Volume Range	5-100µL
Max heating & cooling rate of block	≥6°C/s
Heated Lid Temperature Range	30°C-110°C (default 105°C)
Gradient Temperature Difference	1-40°C
Fluorescence intensity	CV≤3%
Display	10.1-inch touch screen
Scan mode	Full plate scan or specified line scan
Sample tray control mode	Sample tray automatically moves in/out, enabling integration with automated workstations/plate handlers.
Software functions	Absolute quantification, Relative quantification, Melting curve, SNP genotyping, HRM, Quick run, etc.
Operating system	Built in PC Software (Windows 8 or Higher)
Ports	USB Type-A port × 2, USB Type-B port, RJ45 port
Power-off protection function	Yes , Data will be restored after power resumes
Dimensions	320mm (W) × 525mm (D) × 420mm (H)
Extension ports	2 USB ports, 1 Ethernet port
Weight	27Kg

