

REAL-TIME qPCR SYSTEM

HIGH PERFORMANCE



Performance

Capacity	- 96x 0.2ml tubes (low profile and standard) -8 slides tube -1x 96-well microplate
Dynamic range	1~10 ¹⁰ Copies
Applied probe	1st channel: FAM/ SYBR-Green
	2nd channel: HEX, JOE, VIC, TET
	3rd channel: ROX Texas -Red
	4th channel: CY5
Test method	four-fold fluorescence detection
Thermal cycle temperature control	semiconductor thermoelectric module
Temperature Range	4.0°C - 99.0°C
Heating and cooling Rate	≥1.5°C/sec
Thermal Accuracy	≤0.5°C (at 90°C)
Thermal Uniformity	≤0.5°C (at 90°C)
Hot cover temperature range	50°C - 108°C
Optical detection excitation wavelength	300-800nm
Detection wavelength	500-800nm
Fluorescence repeatability	CV≤ 3%
Fluorescent linearity	r≥0.99 coefficient of correlation
Software application	genotyping by qualitative, absolute quantitative, standard solution curve, relative quantitative and end point method
Scanning method	full plate, specified rank scanning
Data export format	Excel,CVS
Custom report form	support
The operating system	Window 7/8/8.1/10
Minimum computer configuration	Intel or AMD Dual-2.8GHz, more than 4G memory and 128GB
Power Supply	AC 220V~240V, 60Hz, <800VA
Communication Ports	RS232, USB
Size	490mmX355mmX284mm
Weight	20Kg