



Quantitative Real-time



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Quantitative Real-time



PCR-16-wells

Can detect 16 samples at the same time, and the standard configuration is FAM/SYBR, VIC two-color fluorescence channels. Lightweight & compact and supports stand-alone operations. Adopts innovative liquid cycle refrigeration technology combined with peltier temperature control technology to achieve rapid heating and cooling. It offers CT value analysis, absolute quantitative analysis, supports isothermal amplification and end point analysis.

Specification

1. Stand-alone use, compact design, easy to carry
2. Humanized software design, simple operation
3. Sensitive and efficient light signal detection system, with no crosstalk in multi-channel fluorescence and good sample detection stability
4. Two-channel or four-channel fluorescence detection systems optional, can achieve multiple fluorescence quantitative detection
5. Advanced semiconductor heating technology, fast heating and cooling, short detection time
6. 32G data memory, excel format or pictures can be kept through U disk, easy management

Model	DSQP16C2	DSQP16C4
Sample capacity	16 × 0.2ml PCR tube/ 2 × 0.2ml 8-strip tube	
Reaction volume		10–50 µl
Display		7-inch color touch screen
Thermal cycling		Peltier
Max temp change rate		6°C/s
Block temp control		10–100°C
Hot lid temp range		30–105°C
Temp accuracy		±0.2°C
Temp uniformity		±0.2°C @ 60°C / ±0.3°C @ 95°C
Excitation light		LED
Detection module		MPPC
Detection mode		Linear individually scan
Fluorescence channels	FAM/SYBR, VIC/HEX/TET	FAM/SYBR, VIC/HEX/TET, ROX, CY5/TAMRA
Sensitivity		Single copy gene
Dynamic range		10 orders of magnitude copies
Analysis mode		CT value / absolute quant analysis
Dimension (mm)		225 (L) × 270 (W) × 132 (H)
Weight		4 kg
Power supply		100–240V, 50/60 Hz