Quantitative Real-time PCR-96-wells

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Quantitative Real-time

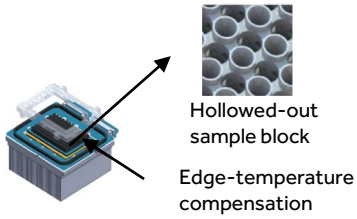
PCR-96-wells

DS-QP-96C4 DS-QP-96C6

As an important detection method for molecular biology detection, real-time fluorescence quantitative PCR has been widely used in many fields such as scientific research, clinical detection and diagnosis and forensic application.

Specification

1. Four channels and six channels cover most fluorescence
2. Effectively reduces multi-color crosstalk and edge effects without fluorescence correction
3. Innovative scanning method and time-resolved signal separation technology
4. Optical scanning detection system, high sensitivity and resolution, accurate identification of negative and positive
5. Unique zoned temperature control and edge temperature compensation technology ensures temperature uniformity



Model	DS-QP-96C4	DS-QP-96C6
Sample capacity	96x0.1ml PCR tube/12x0.1ml8-strip tube/96-well microplate	
Reaction volume	10~50μl	
Thermal cycling	Peltier (6 temperature control modules)	
Maximum Ramp Rate	6°C/s	
Temperature Setting Range	4~100°C	
Temperature Accuracy	≤ ±0.1°C	
Temperature Uniformity	≤ ±0.1°C	
Gradient Zone	12 columns	
Gradient Range	1~40°C	
Excitation Light Source	4pcs LED	6pcs LED
Detection Module	MPPC	
Scanning Principle	Time-resolved scanning technology	
Excitation/Detection Range	455-745nm	
Fluorescence Channel	4 channels	6 channels
Detection Sensitivity	1 copy of the target sequence	
System Sensitivity	1.33-fold copy number differences in singleplex reactions	
Dynamic Range	10 orders of magnitude	
Dye Compatibility	F4: Cy5/LIZF5: Quasar 705/Alexa Fluor 680/Cy5.5F6: ATTO425	
Dimension	L500 x W360 x H380mm	
Weight	25 kg	
Power Supply	100-240V, 50-60Hz	