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TC

PCR Thermal Cycler

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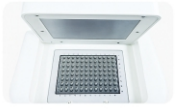
PCR Thermal Cycler

Standard / Gradient

The thermal cycler is basic instrument in molecular laboratories and is mainly used for gene amplification In scientific research and clinical area, qualitative PCR gene amplification, gene chip or other gene analysis applications. The gradient thermal cycler has gradient function, which can quickly Increase and decrease the temperature. It can achieve temperature uniformity In a single process and can quickly and stably complete polymerase chain reaction (PCR) experiments.

Specification

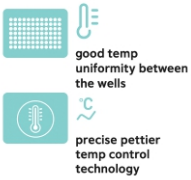
1. Portable and compact design
2. Elastic structure hot lid design, adaptable to 96-well micro plate or 0.1/0.2ml PCR tube Using high-quality pettier, ensure excellent temperature uniformity.
3. The heating and cooling rate can reach to 5.5°C/s, saving experimental time
4. Humanized standard program file template, which can quickly edit experimental files Automatic fault detection and alarm function



Elastic hot lid
prevents reagents from evaporating

Color touch screen
friendly user interface, simple programming, can quickly check working status

Excellent cooling system
efficient heat dissipation, fast heating and cooling speed



Model	DS96S	DS96G
Temp mode	Standard	Gradient
Power(KW)	1.4	2
Sample capacity	96x1.1 /0.2ml PCR tube/96-wells microplate	
Block temp control range	4~105°C	
Hot lid temp control range	30~110°C	
Temp display accuracy	±0.1°C	
Temp control accuracy	±0.3°C	
Temp uniformity	±0.3°C	
Display	double rows digital tube display	
Max temp change rate	5.5°C/s	
Gradient setting range	/	30~105°C
Gradient span	/	1~42°C
Heating module material	Aviation aluminum	
Display	7-inch color touch screen	
User defined file storage	676 Files	
Power outage protection	Yes	
Dimension	L270xW240xH150mm	
Weight	4.8kg	
Power supply	100~240V;50/60HZ	

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Quantitative Real-time PCR-16-wells

DSQP16C2/DSQP16C4

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	

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