

Q8800

SuperMini real time PCR system

- Powerful software analysis
- Small and light, easy to carry
- Constant current circuit, high temperature control accuracy



Product description

Q8800 is a super mini real time PCR system developed by Bio-Gener Company. This product uses a four-channel 8-well block design. It uses the MARLOW customized Peltier, high-sensitivity photodetector and side scanning technology to ensure superior performance and stable detection.

Application

The product can be used for real-time detection in pasture forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.



Product features

- Small size, light weight, easy to carry
- Powerful software analysis function, which can perform quantitative analysis, melting curve analysis, genotyping, etc.
- Adopting side scan technology, the detection distance is short, and the fluorescence collection signal is stable
- Black reaction block to avoid background noise.
- Adopt the same acquisition optical path to improve the repeatability.
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.
- Support lithium battery power supply, especially suitable for quick inspection and field inspection.

Specification

Model	Q8801	Q8802	Q8804
Sample Capacity	8 × 0.2ml (8 well)		
Consumable	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15–100 μ l		
Temperature control technology	Marlow customized Peltier allow 1.000.000 cycles		
Temperature Range	0–100°C(Resolution:0.1°C)		
MAX. Ramp Rate	7°C/s		
Temperature fluctuation	± 0.1°C		
Uniformity	± 0.25°C		
Accuracy	± 0.25°C		
Hot Lid Temperature	30–110°C (Adjustable, default 105°C)		
Temperature Control	Block/Tube		
Excitation wavelength	460–550nm	460–550nm	460–628nm
Emission wavelength	F1: 520–540nm	F1: 520–540nm F2: 540–580nm	F1: 520–540nm F3: 571–612nm F2: 540–580nm F4: 628–692nm
Factory Calibrated Dyes	F1: FAM/SYBR Green I	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET	F1: FAM/SYBR Green I F3: ROX F2: HEX/VIC/JOE/TET F4: CY5
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1–10 ¹⁰ Copies		
Sensitivity	1 copy		
Feature function	Quantitative/qualitative, melting curve, genotyping		
Date Export Formats	excel, cvs, txt		
Communication	WIFI/USB2.0		
Dimension	195 × 165 × 140 (L × W × H)		
Net Weight	3KG		
Voltage	220VAC,50HZ		
Power	DC15V 225W		

