

H8800

SuperMini Isothermal Amplification System

- Small and light, easy to carry
- same acquisition optical path, improve the repeatability
- Constant current circuit, high temperature control accuracy



Product description

H8800 is a super mini isothermal amplification fluorescence detection system developed by Bio-Gener Company. This product uses a two-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
- 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.

Specification

Model	H8801	H8802
Sample Capacity	8 × 0.2ml (8well)	
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
Emission wavelength	F1: 520–540nm	F1: 520–540nm F2: 540–580nm
Factory Calibrated Dyes	F1: FAM/SYBR Green I	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1–10 ¹⁰ Copies	
Sensitivity	1 copy	
Feature function	High sensitivity photoelectric detector	
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 150W	

