

H1600 Isothermal Amplification System

Description

H1600 Isothermal Amplification System is a Portable isothermal amplification fluorescence instrument developed by Bio-Gener company. This product adopts dual-channel and double 8-well blocks, which can run two different files simultaneously. The product combines a variety of advanced technologies: 7-inch high-definition TFT color touch screen, win10 operating system with analysis software, complete quantitative analysis and printing report without computer. It adopts American Marlow custom-made peltier, high sensitivity photoelectric detector and side scan technology, to ensure superior performance and stable detection results.



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.

Features

- Small size, light weight, easy to carry.
- Two channel and double 8-well blocks design, can run two different programs at the same time.
- 7-inch color touch screen and win 10 operation system
- The software analysis function is powerful and can carry out a variety of experiments

Specification

Model No.	H1601	H1602
Sample Capacity	16 × 0.2ml(2 × 8 well, double block)	
Consumable	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15–100 μl	
Temperature control technology	Marlow customized Peltier allow 1.000.000 cycles	
Temperature Range	0–100℃(Resolution:0.1℃)	
MAX. Ramp Rate	6℃/s	
Temperature fluctuation	± 0.1℃	
Uniformity	± 0.25℃	
Accuracy	± 0.25℃	
Hot Lid Temperature	30–115℃(Adjustable, default 105℃)	
Temperature Control	Block/Tube	
Excitation wavelength	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	Qualitative / Quantitative Analysis	
Date Export Formats	excel, csv, txt	
Printing	Report can be printed (optional USB thermal printer)	
Display	7 inch color TFT touch screen, 1280 × 800 pels	
Communication Parts	WIFI/USB2.0	
Dimension	300 × 267 × 198mm(L × W × H)	
Net Weight	8KG	
Voltage	220VAC、50Hz	
Power	DC15V 255W	

HANGZHOU BIO-GENER TECHNOLOGY CO.,LTD

TEL: 0571-88992477 MAIL: bruce@bio-gener.com Web: www.bio-gener.com

ADD: 3 / F, building 5, Yujin Industrial Park, 28 Tongxie Road, Jianggan District, Hangzhou, China

