

MQ ISOTHERMAL AMPLIFICATION SYSTEM (CAT NUMBER: IAS-M-16)



Description

MQ Isothermal Amplification System is a Portable isothermal amplification fluorescence instrument. This product adopts dual-channel and double 8-well blocks, which can run two different files simultaneously. It 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.

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.

Applications

- 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.

SPECIFICATIONS

Model	IAS-M-16
Capacity	16x0.2ml (2x8 well, double block)
Consumable	Clear 0.2ml PCR tube / 8-tube strips
Reaction volume	15-100ul
Temperature Control Technology	Marlow customized peltier allow 1,00,000 cycles
Temperature range	0-100°C (Resolution: 0.1°C)
Maximum Ramping Rate	6°C/sec
Temperature fluctuation	±0.1°C
Uniformity	≤±0.25°C
Accuracy	≤±0.25°C
Hot Lid Temperature	30-115°C
Temperature Control	Block/Tube
Excitation Wavelength	460 – 550 nm
Emission Wavelength	F1: 520-540nm, F2: 540-580nm
Calibrated Dyes	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
Data Export Formats	Excel, csv, txt
Display	7 inch color touch screen, 1280x800 pels
Printing	Report can be printed (Optional USB thermal printer)
Communication Parts	WIFI/USB2.0