EASTWIN

www.eastwin.com

eQ162HP
Real-time PCR System

Concise, Precise and Reliable!

Accurate Temperature

Standard Consumables

Smart Auto Hot-lid

2-Channels

UV Disinfection

Easy Software Interface

Portable A4 Size

EASTWIN SCIENTIFIC EQUIPMENTS INC.

Technical Features

HQC Temperature Control Mode
HQC
High quality and linearized temperature control technology. Distributed heating power compensation. Calibrable block temperature.

DFD Two-dimensional Precision Fluorescence Detection
DFD
Unique technology creates innovative 2-channel, 2-dimensional optical system modules. High brightness LED, PMT, proprietary data acquisition technology. The same optical scanning system is used to achieve wide range, low background noise, high sensitivity, low crosstalk and high reliability of fluorescence detection.

Professional Software for on-site Test
PRO
The software has the functions of system setting, runtime curve display, channel crosstalk correction, judgment threshold setting, automatic report, data export to excel, curve screenshot and so on. Users are required to provide their own computers and windows systems.

eQ162HP

Application Areas

Molecular biology teaching and research

Disease Control and Prevention(CDC), Inspection and Quarantine, Agriculture and Forestry, Food Safety Detection

eQ162HP

Clinical diagnosis, community medical treatment, POCT on-site testing

Battlefield, criminal investigation and emergency detection

Specifications

eQ162HP	Specifications
Block capacity	16*0.2ml single tube or 8-strip tube
Reaction volume	10-50ul
Thermal technology	PI film heater
Block setting range	Room temperature 5℃～70℃
Block control accuracy	≤±0.1℃
Temperature accuracy	≤±0.1℃ (Calibratable)
Blocks temperature uniformity	≤±0.3℃
Max ramp rate	≥±5℃/s
Hot lid setting range	0℃～110℃ (Auto limited to lower than block set value)
Detection channel	2 independent channels (Customizable)
Reagent dye	FAM, HEX, etc.
Excitation light	High brightness LED
Detector	PD
Sensitivity	10^1～10^{10} DNA/RNA copy/ml
Coefficient of variation	CV≤3%
Software function	Program setting, runtime curve display, channel crosstalk correction, criteria setting, automatic report, data export, etc.
Special function	Built-in UV disinfection (Optional)
Communication interface	RS-232C, RS-485 (with special isolation converter)
Operation system	Windows7, windows10 (User-supplied computer)
Ambient temperature	5℃～30℃
Ambient humidity	≤85%RH
Power input	AC100～240V 50/60Hz, 200W
Dimension L*W*H	297×197×136 mm
Weight	4.4kg