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ANALYTICAL EXCELLENCE...

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Fluorescence Quantitative PCR Detection System MA-96A

FEATURES:

- Whole block scanning and formulated line scanning mode, 96-well double-colour scanning takes only 5.5s
- 6 channels fluorescence detection, no cross reference between different channels
- Unique bottom detection, compatible to reaction volume down to 5 μ l
- Automatic hot-lid open and closes to prevent reagent evaporation
- LED light source
- New TE module with special technique



MODEL SPECIFICATIONS:

Model	MA-96A					
Sample Capacity	96*0.2ml PCR plate, 12*8-strip tubes, 96*0.2ml single tube (Transparent Bottom)					
Reaction System	5~100µl					
Dynamic Range	1-10 ¹⁰ copies					
Medical Instrument Registration Certificate	G.X.Z. 20153400273					
Channel	4					
Emission Wavelength	500-800nm					
Detection Path	F1	F2	F3	F4	F5	F6
Suitable Fluorescent Dye	FAM,SYBR GREEN I	HEX/VIC/TET/JOE/CY3/NED/TAMRA	ROX,TEXAS-RED	Cy5	Cy5.5	Reserved path
Excitation Wavelength	300~800nm					
Detection Wavelength	500~800nm					
Module Temp. Range	4~105°C (resolution: 0.1°C) with SOAK Low Temp. Storage Function					
Ramp Rate	4.0°C/s (max)					
Temp. Control Accuracy	±0.1°C					
Temp. Uniformity	≤±0.3°C					
Temp. Control Mode	Block mode and Tube Mode (Automatic control based on liquid level)					
Optional Accessories	Windows Tablet PC					
Gradient Temp. Range	1~36°C					
Hot-lid Temp. Range	30~110°C (Adjustable, Default by 105°C and Automatic Hot-lid)					
Fluorescence Intense Detection Repeatability	5%					
Scanning Mode	Full plate scanning and designated line scanning					
Programming	Max 20 Segments for each program, max 99 cycles					
Operation Mode	Continuous					

Scanning Time	5.5s
Special Function	Absolute quantitative automatic analysis, relative quantification, SNP Analysis, melting curve analysis, 6 independent temperature zones, HRM multi-channel crosstalk calibration, background correction, auto gain, customized parameters, etc
Operation System	Microsoft: Windows7/Windows8.1/ Windows10 Software: Excel2000/2002/2003/2007/2012
Min Computer Configuration	RAM: 512M, hardware space: 10GB; CPU: Pentium 4 virtual memory $\geq 1\ 000\text{MB}$
Power Supply	100-240V 50/60Hz 600W
Dimensions (L*W*H)	410*386*352mm
Port Method	Support USB and RS232 data port and Bluetooth
Certification	Ferrotec Peltier/CE/EMC/RoHS2.0/PICC Product quality liability insurance/IVD/MET
Packing Size	720*680*640mm
Gross Weight	55kg