



ESBK-96A

Fluorescence Quantitative PCR
Detection System



LABORATORY



Features

- * Whole block scanning and formulated line scanning mode, 96-well double-color scanning takes only 5.5s
- * 6 channels fluorescence detection, no cross talk between different channels.
- * Unique bottom detection, compatible to reaction volume down to 5 μ l
- * New automatic hot lid, automatic open and close which is prevent reagent evaporation
- * LED excitation light source with super long service life
- * New TE module with special technique to ensure long service life
- * Available for a variety of scientific research and clinical applications.

Model	ESBK-96A					
Sample Capacity	96x0.2ml PCR plate, 12x8-strip tubes, 96*0.2ml single tube(Transparent Bottom)					
Reaction system	5~100 μ l					
Dynamics Range	1-1010					
Channel	4					
Emission Wavelength	500-800nm					
Detection path	F1	F2	F3	F4	F5	F6
Suitable probe.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					
RampRate	4.0°C/s(max)					
Temp. Control accuracy	\pm 0.1°C					
Temp. uniformity	\leq \pm 0.3°C					
Temp. control mode	Block mode and Tube Mode (Automatic control based on liquid level)					
Operation mode	Continuous operation					
Gradient Temp. Range	1-36°C					
Hot-lid Temp. Range	30-110°C(Adjustable, Defaultby105°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 curveanalysis,6 independent temperature zones, HRMmulti-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 1000MB					
Power supply	100-240V 50/60Hz 600W					
Dimension(L*W*H)	410*386*352mm					
Port method	SupportUSBandRS232data port and Bluetooth port					



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