BIOBASE®

Fluorescence Quantitative PCR Detection System

Detection path	F1	F2	F3	F4	F5	F6
Suitable Fluorescent Dye	FAM,SYBR GREENI	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:excel2000V 2002/2003/2007/2012					
Min-computer Configuration	RAM: 512M, hardware space: 10GB CPU: Pentium 4 virtual memory ≥1000MB					
Power Supply	100-240V 50/60Hz 600W					
Dimension(L*W*H)	410*386*352mm					
Port Method	Support USB and RS232 data port and Bluetooth port					
Certification	Ferrotec Peltier\CE/EMC/RoHS2.0/PICC Product quality liability insurance/IVD/MET					
Packing Size	720*680*640mm					
Gross Weight	55kg					

Features:

* Whole block scanning and formulated line scanning mode, 96-well double-colour scanning takes only 5.5s
* 6 channels fluorescence detection,no cross talk between different channels.
* Unique bottom detection,compatible to reaction volume down to 5μl
* 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.

Technical Parameters:

Product Name	Fluorescence Quantitative PCR Detection System
Model	BK-96P
Sample Capacity	96*0.2ml PCR plate, 12*8-strip tubes, 96*0.2ml single tube (Transparent Bottom)
Reaction system	5~100μl
Dynamics Range	1~10^10 Copies
Medical instrument registration certificate	G.X.Z. 2015S3400273
Channel	4
Emission Wavelength	500~800nm