

REAL-TIME THERMAL CYCLER BFJ1G3

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REAL TIME PCR



1. Powerful software analysis functions can perform qualitative/ quantitative analysis, HRM, genotyping, etc.
2. Automatic hot lid, which can be used with automated workstations to improve work Efficiency.
3. PC operation, a computer can control multiple instruments.
4. Maximum ramping rate 8°C/s, saving the test time.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. Strong fluorescence signal, low background noise and high sensitivity. Configure automation hot lid, can be used with automation workstation, improve work

SPECIFICATIONS

Model	BFJ1G3
Sample Capacity	96 well, 12x8 strip, 96x0.2ml single tube
Formats	0.2ml tube, no skirts 96 well plate
Reaction Volume	10-100ul
Temperature Range	0-105°C
MAX. Ramp Rate	8°C
Temp. Fluctuation	±0.1°C
Uniformity	≤±0.2°C
Accuracy	±0.1°C
Gradient Speed	0.1-42°C
Hot Lid Temperature	30°C-110°C(Adjustable, default 105°C)
Temperature Control	Block/Tube
Excitation Wavelength	300-810nm
Emission Wavelength	500-810nm
Detection Channel	6channel
Detection Method	All channels scan at the same time
Scan Period	5 seconds to complete 96 well test
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-GreenF2: HEX/VIC/JOE/TET/YELLOWF3: ROX/Texas RedF4: Cy5F5: Cy5.5F6: CY3
Excitation	Long life LED
Detection	High sensitivity photoelectric detector
Dynamic Range	1-10 ⁹ Copies
Sensitivity	1 copy
Lid Operation	Automatic hot lid
Feature Function	Qualitative/absolute quantification, relative quantification, genotyping, HRM, melting curve, standard curve, allele identification, temperature gradient function, etc.
Data Management	Audit Trail System
Operation System	Win7, Win10, Win11
Remote Monitoring	Can connect to laboratory management system
Automation Platform	Can be used with automated workstations
Date Export Formats	excel, csv, txt pdf
Printing	Report can be printed directly
Control Method	PC control, one pc control several devices

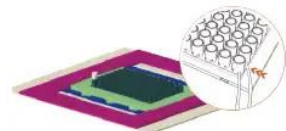
Communication	USB2.0,RS232
Dimension	495x350x330mm(LxWxH)
Weight	29KG
Voltage	100-220VAC,50-60Hz
Power	1500W
Alt Name	Real Time PCR

FEATURES

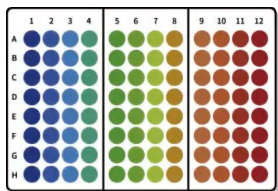
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Configure automation hot lid, can be used with automation workstation, improve work Efficiency



Unique side scan technology, all channels can be detected simultaneously, complete the scan of all fluorescent channels of 96 samples within 5S



Three temperature zones control, good temperature repeatability and high accuracy



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