



## REAL-TIME THERMAL CYCLER BFJ1F1

# REAL-TIME THERMAL CYCLER BFJ1F1

## REAL TIME PCR



1. With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions, and can be run offline.
2. Up to 100 projects can be preset, and it is convenient and fast to run frequently used projects with one click.
3. With temperature gradient function, 12 rows of gradient temperature settings can be realized at a time.
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.

## SPECIFICATIONS

Model	BFJ1F1
Sample Capacity	96 well, 12x8 strip, 96x0.2ml single tube
Formats	0.2ml tube, 0.2ml 8-tube strips, 0.2ml 96 well plate
Reaction Volume	10-100ul
Temperature Range	0-100°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	2channel
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-Green F2: HEX/VIC/JOE/TET/YC3/YELLOW
Excitation	Long life LED
Detection	High sensitivity photoelectric detector
Dynamic Range	1-10 <sup>9</sup> 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	xls, csv, txt, pdf, jpg
Printing	Report can be printed directly
Control Method	12.1-inch retractable color touch screen control or connect to computer control

Communication	USB2.0,RS232
Dimension	520x350x330mm(LxWxH)
Weight	32KG
Voltage	100-220VAC,50-60Hz
Power	1500W
Alt Name	Real Time PCR

## FEATURES

1. With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions, and can be run offline.
2. Up to 100 projects can be preset, and it is convenient and fast to run frequently used projects with one click.
3. With temperature gradient function, 12 rows of gradient temperature settings can be realized at a time.
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.
7. Experimental Fast
8. Simple Operation

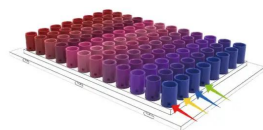
12.1" retractable color touch screen, the screen angle can be adjusted



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



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)