BioLAB

PRODUCT CATALOG

MINI-PCR

CE ISO9001 CERTIFIED

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MINI-PCR BFA1P1 BFA1P2

MINI GRADIENT THERMAL CYCLER

Mini Thermal Cycler is an ultra-light and ultra-thin thermal cycle gene amplification instrument. Widely used in molecular biology, criminal investigation, disease research and other fields.Mini portable for car use.

New and unique appearance, the interface operation is simple and convenient, ultra-light ultra-thin.
Hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be choose to meet more different experimental requirements.
The mini PCR can be used in vehicles
Can be quickly upgraded via U disk, convenient for instrument software update.
A. Details
The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminate the edge effect of module heat conduction, the module temperature uniformity is excellent. Built-in multiple refrigeration film, multiple sensors are evenly distributed, the program temperature control is more p

SPECIFICATIONS

Model	BFA1P1	BFA1P2
Old Model		BHTC-502
Single step time range	1~59m59s (0 is forever)	
Temp. range	4~99.9℃	
Sample capacity	32x0.2ml	16x0.2ml
Max. heating rate	6℃/s	5℃/s
Max. cooling rate	5℃/s	4℃/s
Temp. uniformity	±0.25℃	
Temp. accuracy	±0.20℃	
Temp. display resolution	0.1℃	
Temp. control method	Block/Tube	
Gradient temp. uniformity	±0.3℃	/
Gradient temp. accuracy	±0.3℃	/
Gradient temp. range	30~99.9℃	/
Gradient temp. difference range	0.1~30℃	/
Hot cover temp. range	30~110℃	
Max. steps of the program	30	
Program max. cycle number	99	
Time increment/decrement	-599~+599s	
Temp. increase/decrease	-9.9~+9.9℃	
Program pause function	Yes	
16℃ Insulation	Forever	
LCD	5 inch, 800x480 Pixel	
Program storage quantity	>100	
Communication Interface	USB 2.0	
Input power	24V, 8A	12V 9.99A
Dimensions	W.200xD.230xH.85mm	
Net weight	3.2kgs	3.2kg
Alt Name	Mini Gradient Thermal Cycler	

BFA1P1

BFA1P2

FEATURES

New and unique appearance, the interface operation is simple and convenient, ultra-light ultra-thin.
Hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be choose to meet more different experimental requirements.
The mini PCR can be used in vehicles
Can be quickly upgraded via U disk, convenient for instrument software update.

A. Details

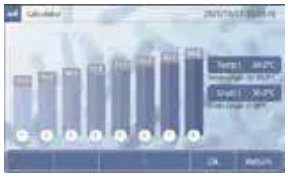
The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminate the edge effect of module heat conduction, the module temperature uniformity is excellent. Built-in multiple refrigeration film, multiple sensors are evenly distributed, the program temperature control is more precise.

The bottom case is made of one-piece aluminum, which is not only beautiful and sturdy, but also has a higher heat dissipation performance.

The ingenious elastic hot-cover structure design adapts the test tubes of different heights to ensure the best conditions for the experiment.

5-inch TFT high-definition full-touch color screen, can quickly edit the required files, visual display of temperature curve, convenient and fast setting.

B. Software function introduction



Gradient interface(MP-32+) System built-in gradient

Running interface(MP-32+)
Real-time display of gradient distribution and real-time temperature display.

Setting interface
Hot lid temperature and working mode of hot lid can be set.

User interface (more than 100 files can be stored)
Multi-user independent detection and independent management.

MINI-PCR BFJ1L1 BFJ1L2

SUPER MINI REAL TIME PCR

H8800 is a super mini Real Time PCR. This product uses a two -channel 8-well block design. It uses the MARLOW customized Peltier, high-sensitivity photodetector and side scanning technology to ensure superior performance and stable detection.

1. Small size, light weight, easy to carry.
2. Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable.
3. Black reaction block to avoid background noise.
4. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
5. Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.
6. Forward and backward air vent design, can be placed side by side, saving laboratory space.
7. Small Design
8. Portable

SPECIFICATIONS

Model	BFJ1L1	BFJ1L2
Sample Capacity	8x0.2ml (8 well)	
Formats	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100μl	
Temperature Control Technology	Marlow customized Peltier allow 1,000,000 cycles	
Temperature Range	0-100°C	
MAX. Ramp Rate	7°C	
Temp. Fluctuation	±0.1°C	
Uniformity	≤±0.25°C	
Accuracy	≤±0.25°C	
Hot Lid Temperature	30°C-110°C (Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green I	F1: FAM/SYBR-Green/EVA-Green IF2: HEX/VIC/JOE/TET/CY3/YELLOW
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10^9 Copies	
Sensitivity	1 copy	
Feature Function	Quantitative/qualitative analysis	
Date Export Formats	xls,csv,txt,pdf,jpg	
Communication	WIFI/USB 2.0	
Dimension	195x165x140mm(LxWxH)	
Net Weight	3KG	
Voltage	220VAC, 50Hz	
Power	DC15V 150W	
Alt Name	Super Mini Real Time PCR	

MINI-PCR BFJ1K1 BFJ1K2 BFJ1K3

SUPER MINI REAL TIME PCR

Q8800 is a super mini real time PCR system. This product uses a four-channel 8-well block design. It uses the MARLOW customized Peltier, high-sensitivity photodetector and side scanning technology to ensure superior performance and stable detection.

1. Small size, light weight, easy to carry.
2. Adopting side scan technology, the detection distance is short, and the fluorescence collection signal is stable.
3. Black reaction block to avoid background noise.
4. Powerful software analysis function, which can perform quantitative analysis, melting curve analysis, genotyping, etc.
5. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
6. Forward and backward air vent design, can be placed side by side, saving laboratory space.
7. Small Size
8. Powerful Function

SPECIFICATIONS

Model	BFJ1K1	BFJ1K2	BFJ1K3
Sample Capacity	8x0.2ml (8 well)		
Formats	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15-100μl		
Temperature Control Technology	Marlow customized Peltier allow 1,000,000 cycles		
Temperature Range	0-100℃		
MAX. Ramp Rate	7℃		
Temp. Fluctuation	±0.1℃		
Uniformity	≤±0.25℃		
Accuracy	≤±0.25℃		
Hot Lid Temperature	30℃-110℃ (Adjustable, default 105℃)		
Temperature Control	Block/Tube		
Excitation Wavelength	300-800nm		
Emission Wavelength	500-800nm		
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green I	F1: FAM/SYBR-Green/EVA-Green IF2: HEX/VIC/JOE/TET/CY3/YELLOW	F1: FAM/SYBR-Green/EVA-Green IF2: HEX/VIC/JOE/TET/CY3/YELLOWF3: ROX/Texas RedF4: Cy5
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10^9 Copies		
Sensitivity	1 copy		
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping		
Date Export Formats	xls,csv,txt,pdf,jpg		
Communication	WIFI/USB 2.0		
Dimension	195x165x140mm(LxWxH)		
Net Weight	3KG		
Voltage	220VAC, 50Hz		
Power	DC15V 150W		
Alt Name	Super Mini Real Time PCR		

Biolab Scientific Ltd.
Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com