

TRIPLE-BLOCK GRADIENT PCR



BR-PCR-F32 TRIPLE-BLOCK GRADIENT PCR

Triple-Block Gradient PCR Instrument delivers exceptional thermal performance. Equipped with long-life Peltier modules, it supports over 1 million thermal cycles. Featuring comprehensive and user-friendly software functions, its three independent gradient blocks operate simultaneously, enabling broader application coverage.

FEATURES

- Android OS with a 10.1-inch capacitive touchscreen (1920×1200 HD resolution)
- Offering a wide temperature gradient of up to 42° C, and supporting both standard and
- Three blocks are independent temperature control with vertical gradient function, linear gradient modes.
- Scheduled experiment function, allowing independent programming for each of the three blocks
- Maximum ramp rate of 8° C/second, significantly reducing experimental time.
- Various fields, supports both block/tube temperature control.
- Versatile applications: wide-ranging applications for diverse experimental needs across
- Ensuring excellent temperature uniformity and accuracy.
- Edge temperature compensation with a high thermal conductivity uniform heating block,
- Rear and Front Air Duct Design enables side-by-side placement of instruments for space saving.
- Automatically creates operating history and error logs.
- Auto restart of a running protocol after a power failure.

TECHNICAL SPECIFICATIONS

MODEL NO.	BR-PCR-F32
Tube Type	0.2mL (single tube/8x0.2 strips)
Block Temperature Range(RT:25°C)	0~105°C
Temperature Accuracy	0.1°C
Temperature Precision	≤0.15°C
Ramp Rate	0.1~4.5°C/S
Gradient Temperature Range	30~105°C
Time Increment/ Decrement	1~600s Supports LongPCR
User Management	Three-level authority management (Admin/User/ Guest)
Screen Lock	Independently screen lock for block
Max. Steps	30
Sample Capacity	3x32*0.2mL
Sample Volume	5~100uL
Temperature Control Mode	Block/Tube
Temperature Uniformity	±0.2°C
Max.Heating speed	5°C/S
Max.Cooling speed	4.5°C/S
Average heating speed	4.0°C/S
Average cooling speed	5°C/S
Gradient Setting Range	1~42°C Vertical Gradient
Heated Lid Temperature Range	30~115°C
Temperature Increment/ Decremen	0.1~10°C Supports Touchdown PCR
Block Reserve	User can reserve block from Admin
Programs stored	>10000
Max. Cycles	100
Program Pause	Yes
Power-off Recovery	Yes
Incubation	Unlimited Duration
LCD Touch Screen	10.1-inch (1920x1200 pixel)
OS	Android
Communication Interface	USB, Internet, WIFI
Input Voltage	100~240V, 50/60Hz, Max.power: 1000W
Dimension LxWxH	385mm×285mm×253mm
Weight	12Kg

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