

GRADIENT THERMAL CYCLER DUAL BLOCK



BR-PCR-B2

BR-PCR-B2 is a qualitative thermal cycler with dual blocks which are independent controlled, the advanced peltier technology brings accurate temperature control, and make the cycles reaches up to a million times. It's an ideal thermal cycler for researches of life sciences in most labs

FEATURES:

- Small footprint, compact design
- Two independent controlled blocks
- 3-peltiers for each block change rate 6 deg * C /sec;
- Good temperature uniformity reduce edge effect
- New generation peltier technology, max heating up rate 6 deg * C /sec
- 1024x768 pixel, 8-inch color touch screen Automatically power failure recovery
- Gradient range 30 deg * C



TECHNICAL PARAMETERS

MODEL	BR-PCR-B2
Voltage	100~240V, 50/60Hz
Tubes applied	0.2ml microtubes, 8 x 0.2ml tubes strips
Temperature Control ways	Block/Tube
Block Temperature	4~105°C
Timer	1s~59min59sec/(0 means infinite)
Capacity	Double 48x0.2ml
Block Temperature Accuracy	$\leq \pm 0.2^{\circ}\text{C}$
Block Temperature Uniformity	$\leq \pm 0.25^{\circ}\text{C}$
Heating Up Rate (Max.)	6 °C / s
Cooling down Rate (Max.)	5 °C/ s
Adjustable range of heating up/cooling down	0.1 ~ 6 °C/ s
Temperature display accuracy	0.1°C
Gradient temperature range	30 - 105 °C
Gradient Set Span	Max. 30 °C
Gradient Temperature	$\leq \pm 0.3^{\circ}\text{C}$
Gradient Temperature Accuracy	$\leq \pm 0.3^{\circ}\text{C}$
Numbers of Gradient	12
Heating Lid Temperature range	30°C ~ 110 °C
Timer Increasing / Decreasing	-599s ~599s
Temperature Increasing / Decreasing	-9.9°C~9.9°C
Touchdown PCR	Yes
Long PCR	Yes
Programs stored	10000+
Max. Cycles	99
Max. Steps	30
Power failure recovery	Yes
Pause function	Yes
16 °C Temperature Holding Function	Infinite duration

LCD display	Touch screen display
Operation system	Linux
Touch screen type	Capacitive
Communication port	USB2.0
Max. Power	800W
Size (WxDxH)	Size (WxDxH)
Net weight	9kg

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