



GRADIENT THERMAL CYCLER BTHC-102

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Engineered by finest quality and leading edge technology according to the advance technology and market norms under the direction of competent experts. Simple, intuitive programming, cost-efficient, fast setup and convenient to use makes it an ideal choice.

Used in Analytical Laboratories, Molecular biology, Gene amplification, Gene Expression, Research, Development, Food Science, Pharmaceutical, Life Science, Animal Diagnostics.

Also known as Gradient PCR Machine, Laboratory Gradient PCR Thermal Cycler, Gradient PCR Thermocycler, Laboratory Gradient PCR Thermocycler.

BTHC-102 GRADIENT THERMAL CYCLER



Optimized to very low energy consumption
Low noise, low energy consumption, long application life
Specially designed lids reduce the evaporation during PCR
Hinge utilized in labtop industry makes lode open more flexible
Infinitely adjustable lid knob, suitable for various types of the tube
Versatile configuration options
Gold-plated or silver-plated module improves the efficiency of heat conduction
Portable design is easy for sample blocks interchange without maintenance
2000 protocols on board, unlimited with use of USB memory stick
ARM Platform, Windows CE operating system
Large size and color super-high-definition LCD screen
Intuitive and user-friendly interface, makes programming quick and easy
Make a reservation and alarm for daily lab work
Support the function of TM value calculation
Portability: Transfers method between Genemate systems via USB ports
Backup: Store your most important methods on a USB memory stick
Storage: Store an unlimited number of methods by using a USB memory stick
Uploads: Update firmware when enhancements become available

SPECIFICATIONS

Model	BTHC-102
Temperature Range	0°C~99.9°C
Max.Heating Ramp Rate	4.5°C/s
Max.Cooling Ramp Rate	4°C/s
Block Formats	96x0.2 ml (A) / 54x0.5 ml (B) / 96x0.2 ml+77x05 ml (C) / 384well (D)
Display Interface	5.7"LCD
Heating/Cooling adjustable rate	0.1°C/s~4.0°C/s
Uniformity	±0.2°C
Accuracy	±0.1°C
Gradient Temp Range	30~99°C
Thermal Gradient Span	1~30°C
Gradient Uniformity	±0.2°C(single row)
Hot Lid Temperature	20~110°C
Max.No.of Cycle	999
Communication	USB2.0 / RS 232 / RJ45

Temp Control Mode	Block, tube*
Memory Capacity	1000**
Note	*10~100µl Optional **Unlimited with use of USB memory stick
Intelligent Diagnosis	108
Dimension (WxDxH)	380x270x250 mm
Weight	7.8 kg

ACCESSORIES

Accessory Code	Name	Capacity
5200606009	Block C	96x0.2 ml+77x0.5 ml

OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity
5200606006	Block A	96x0.2 ml
5200606007	Block B	54x0.5 ml
5200606008	Block D	384 well



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