

# GRADIENT THERMAL CYCLER PCR12-096



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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.

## PCR12-096 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	PCR12-096
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 (W×D×H)	380x270x250 mm
Weight	7.8 kg

## ACCESSORIES

Accessory Code	Name	Description
LS53578	Block C	96×0.2 ml+77×0.5 ml

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53542	Block A	96×0.2 ml
LS53554	Block B	54×0.5 ml
LS53566	Block D	384 well

***Centrifugen***

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