

PCR THERMAL CYCLER



BioGene 96E+ TOUCH

Gradient PCR Thermal Cycler

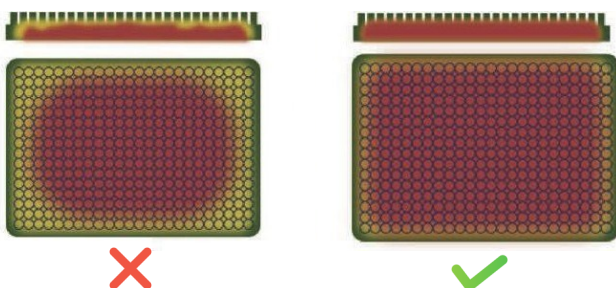
Eco and Compact

INTRODUCTION

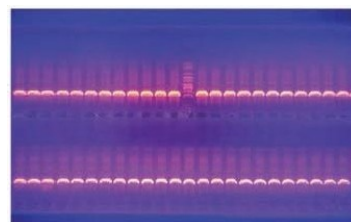
Gradient PCR instrument is a gene amplification Instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, criminal investigation, disease research and other fields.

EDGE-REMOVING TECHNOLOGY

Edge-removing technology



Temperature Uniformity



The module temperature uniformity is excellent

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

BioGene 96E+ TOUCH Thermal PCR Cycler

DETAILS



Flexible heat lid

Clever design of hot lid flexible structure adapted to different height of tube

Durable block material

Aluminum alloy block and can be used with 96-well plate

HD 5-inch full screen

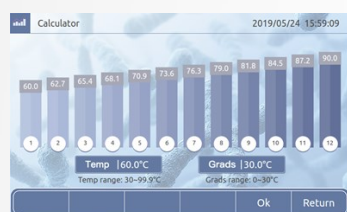
Real-time display, convenient operation

Cooling air duct design

Air inlet at the bottom and air outlet from left and right, greatly improving heat dissipation performance.

- New and unique appearance, the interface operation is simple and convenient compact size.
- Hot lid can be switch on and off, and test tube temperature control mode and module temperature control mode can be chosen to meet more different experiment requirement.
- Wide block temperature range from 4°C to 105°C, with infinity hold function allows PCR products to be stored at 4°C overnight.
- The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.
- Automatic restart after power failure.
- Can be quickly upgraded via U disk, convenient for instrument software update.

SOFTWARE FUNCTION INTRODUCTION



Gradient interface

system built-in gradient calculator



Running interface

Real-time display of gradient distribution, 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

SPECIFICATION

Model	BioGene 96E+ TOUCH	
Temperature range	4-105°C (constant temp. 4°C)	
Sample capacity	96x0.2ml	
Max. heating rate	4.5°C/s	
Max. cooling rate	4°C/s	
Temperature uniformity	±0.25°C	
Temperature accuracy	±0.2°C	
Temperature display resolution	0.1°C	
Temperature control method	Block/Tube	
Gradient temperature range	30-105°C	
Gradient temperature difference range	0.1-30°C	
Gradient temperature uniformity	±0.3°C	
Gradient temperature accuracy	±0.3°C	
Hot lid temperature range	30-110°C	
Max. step of the program	30	
Program max. cycle number	99	
Program pause function	Yes	
Display	5-inch LCD, 800x480 pixel	
Program storage	>100 programs	
Communication interface	USB 2.0	
Input power	100-240V, AC6.6-3.1A, 50/60Hz	
Dimension (WxDxH)	185 x 280 x 160 mm	
Net weight	4.3 Kg	



Biometrics Technologies, Inc. (Headquarter)
1220 N. Market St. Suite 806, Wilmington, DE 19801, USA
Email: info@biometrics-technologies.com
Website: www.biometrics-technologies.com

