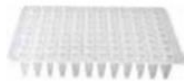


## PR-96E

### Gradient PCR Instrument

PR-96E

Can be used with 96-well PCR plate



Can be used with touch pen

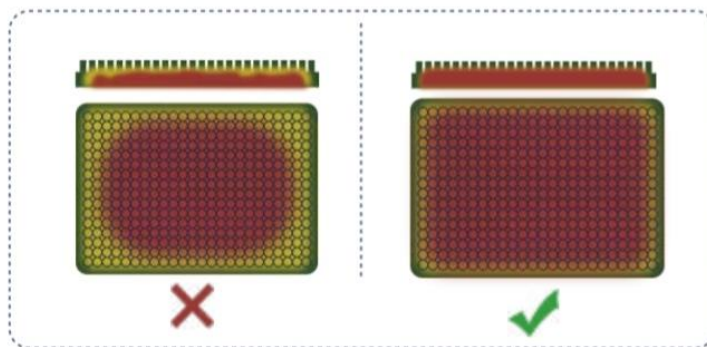


## Introduction

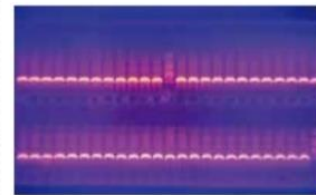
Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, criminal investigation, disease research and other fields.

## 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 heat conduction, the module temperature uniformity is excellent. Built-in multi-channel refrigeration film, several sensors are evenly distributed, the program temperature control is more precise.

## Details



**HD 5-inch full touch 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.

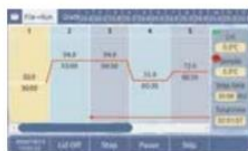


**Clever hot lid elastic structure design**  
adaptive to different height of tube

## 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

## Features

New and unique appearance, the interface operation is simple and convenient, compact size.

Hot lid can be switched on and off, and test tube temperature control mode can be choose to meet more different experimental requirements.

The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.

Can be quickly upgraded via U disk, convenient for instrument software update

## Parameter

Model	PR-96E	Hot cover temp. range	30~110℃
Single step time	1~59m59s(0 is forever)	Max. steps of the program	30
Temp. range	4~99.9℃(Constant temp. 4℃)	Program max. cycle nu	99
Sample capacity	96×0.2ml	Time increment/decrement	-599~+599s
Max. heating rate	4.5℃/s	Temp. increase/decrease	-9.9~+9.9℃
Max. cooling rate	4℃/s	Program pause function	Yes
Temp. uniformity	±0.25℃	16℃ Insulation	Forever
Temp. accuracy	±0.20℃	LCD	5 inch, 800×480 Pixel
Temp. display resolution	0.1℃	Program storage quantity	> 100
Temp. control method	Block/Tube	Communication Interface	USB 2.0
Gradient temp. uniformity	±0.3℃	Input power	100~240V AC6.6~3.1A 50/60Hz
Gradient temp. accuracy	±0.3℃	Dimensions	W.185×D.280×H.160mm
Gradient temp. range	30~99.9℃	Net weight	4.3kgs
Gradient temp. difference range	0.1~30℃		

# REAL-TIME DISPLAY OF GRADIENT DISTRIBUTION

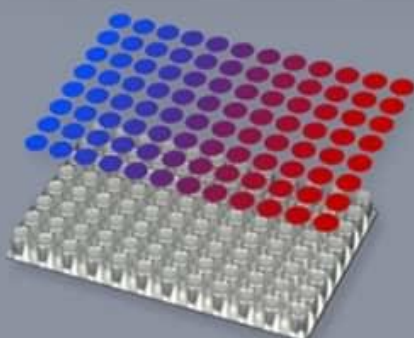
Grads	1	2	3	4	5	6	7	8	9	10	11	12
	40.0	42.7	45.4	48.1	50.9	53.6	56.3	59.0	61.8	64.5	67.2	70.0



## Gradient real-time distribution

The system has a built-in gradient calculator, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.

Real-time display of gradient temperature distribution, real-time temperature display, more conducive to controlling the sample temperature.



Temperature distribution interface



Username	Level
1 Admin	Administrator
2 Admin	Administrator
3 Admin	Administrator
4 Admin	Administrator
5 Admin	Administrator
6 Admin	Administrator

Get Time

OK

Return

File Name

2015/05/04 15:36:55

1 2 3 4 5 6 7 8 9 0

Q W E R T Y U I O P