PC-96 Gradient Thermal Cycler

Introduction

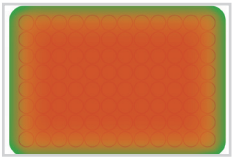
This gradient Thermal Cycler is ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc

· Operation interface

Features

- Excellent amplication due to high quality Semiconductor
- Industrial grade operation system, can work 7x24hs
- 42°C gradient range, ideal for protocol optimization
- 5-inch touch screen,easy to edit,operate,save programs
- Data saved to USB flash memory
- Impact design, small size
- Extremely quiet
- High precise temperature with good uniformity, quick heating up and cooling down benefit from advanced peltier based and PID technologies

Precise Temperature Control



Excellent temperature uniformity

Product parameters

Model	PC-96	Max.Heating Rate	5°C /S
Voltage	AC100~240V，50/60Hz	Max.Cooling Rate	4.5°C /S
Temperature Control ways	Block or Tube	Gradient Set Span	0.1-42°C
Block Temperature Range	0~105°C	Gradient Temperature Accuracy	±0.3°C
Timer	1s~59min59sec/Infinite	Temperature display accuracy	0.1°C
Block Temperature Accuracy	±0.2°C	Heating Lid Temperature range	30°C ~110°C
Block Temperature Uniformity	±0.25°C	Automatically Heating Lid	Shut off automatically when sample lower than 30°C or program over
Heating Up Rate (average)	4°C	Timer Increasing / Decreasing	- 599~599 S for Long PCR
Cooling down Rate (average)	3°C	Temperature Increasing / Decreasing	-9.9~9.9°C for Touchdown PCR
Gradient temperature range	30-105°C	Max. Power	450W
Programs stored	>10000	Real-time operation status	Image-text displayed
Max.Cycles	99	Interface Port	USB 2.0
Max.Steps	30	Dimension（W×D×H）	200x300x170 (mm)
Program Pause Function	Yes	Weight	4.5kg
16°C Temperature Holding Function	Infinite		
Capacity	96x0.2ml(PCR plate without/semi skirt), 12x8x0.2ml strips, 8x12x0.2ml strips, 0.2ml tubes (height 20~23mm)		