

CycleReady

Thermal Cycler

Thermal Cycler CycleReady CR 96 is a key piece of equipment for molecular biology research. It utilizes thermal cycling technology to accurately control the temperature so that specific gene fragments can be rapidly amplified. With stable performance and convenient operation, it is widely used in scientific research, medical treatment, testing and other fields, providing efficient and reliable technical means for gene analysis and disease diagnosis.

Features

- Power failure protection: automatically execute the remaining unfinished part of the program after power supply is restored.
- Stable temperature control: industrial-grade hot spot semiconductor precise temperature control, excellent inter-hole uniformity.
- Wide gradient range of 36°C, greatly facilitating annealing temperature research.
- Lightweight design, small volume, light weight, suitable for a variety of complex experimental environments
- Unique rear air outlet design, no heat dissipation pressure for multiple machines side by side.



Software display



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Parameter

Name	Thermal Cycler
Model	CycleReady CR 96
Throughput	96 well
Sample volume and consumable type	96-well×0.2 mL (Full-skirted plate,half-skirted plate,Non-skirted plate; 12×8 strip tubes,8×12 strip tubes,Single tube)
Technology program	Thermoelectric semiconductor technology
Screen adjustability	Fixed
Block temperature range Maximum ramp rate	4~99.9°C 5°C/s
Temperature distribution	±0.3°C (55°C)
Temperature accuracy	≤ ±0.1°C(55°C)
Gradient	36°C max and accuracy is ±0.5°C
Temperature control mode	Block mode, Tube mode
Ramp rate adjusting range	0.1~4.5°C
Program capacity	Infinite
Hot lid temperature accuracy	±0.5°C
Adjustment range of speed	0.1-5°C/s
Program memory number	Infinite
Monitor	7-inch Color touch screen
Intelligent hot lid	Hot lid shut-off automatically when product is preserved at low temperature or program ends
Automatic pause/power-off protection	Yes
4°C heat preservation function	Yes
Real-time operation status display	Graphic display
Heated lid temperature range	indoor temperature +5~110°C
Smart Heat Lid	The thermal cover closes automatically if the sample stage is cryogenically preserved or at the end of the program.
Ports	USB
Input power	100~240VAC,50/60Hz
Dimension	288(W)mm×187(L)mm×190(H)mm
Weight	7 Kg