



Gradient Thermal Cycler PCR



Polymerase Chain Reaction (PCR) is widely used in Molecular biology. As PCR progresses, the DNA thus generated is itself used as a template for replication. With PCR it is possible to amplify a single or few copies of a specific DNA fragment across several orders of magnitude, generating millions of copies of the DNA fragments.

SALIENT FEATURES

- Advanced technologies, WINDOWS operating system.
- Automatic restart after power failure.
- Each thermal block has 4 independent temperature control sensors and 8 peltier heating units to ensure accurate and uniform temperature across block surface, and provide users with replicating previous condition set-up.
- 8" TFT color touch-screen with graphical display provides easy use for setting up and monitoring set parameter.
- The actual and target temperatures can be viewed and displayed graphically in real time.
- Built-in 11 standard program file template, can quickly edit the required files.
- Internal flash memory for 10000 typical PCR files in free configurable folders.
- Compatible with mouse, keyboard, capable to transfer data and perform software updates via USB Drive.
- Applicable with the following 0.2ml tube models: non-skirted, semi and fully skirted plated.
- Replaceable module, dual-block module can simultaneously run two different PCR programs.



MODEL	PCR-9602G	PCR-4830G	PCR-384G
Capacity	96×0.2ml	48×0.2ml+30×0.5ml	384 wells
Make	LABMAN		
Temperature Range	0 ~ 100°C		
Max. Heating Rate	5°C/s		
Max. Cooling Rate	4°C/s		
Uniformity & Accuracy	±0.1°C		
Display Resolution	0.1°C		
Temperature Control	Block\Tube		
Ramping Rate Adjustable	0.1 ~ 5°C		
Gradient Uniformity	±0.2°C		
Gradient Accuracy	±0.2°C		
Gradient Temp. Range	30 ~ 100°C		
Gradient Spread	1 ~ 30°C		
Hot Lid Temperature	30 ~ 110°C		
Hot Lid Height Adjustable	Stepless adjustable		
Number of Programs	10000 +(USB FLASH)		
Max. No. of Step	30		
Max. No. of Cycle	99		
Time Increment/Decrement	1 Sec ~ 9 Min 59 Sec		
Temp. Increment/Decrement	0.1 ~ 9.9°C		
Pause Function	Yes		
Auto Data Protection	Yes		
Hold at 4°C	Forever		
Print, LAN to computer,	Yes		
LCD display	Touch Screen, 8inch , 800×600 Pixels, TFT		
Communication	USB2.0 , LAN		
Power Supply	85 ~ 264VAC , 47 ~ 63Hz , 600 W		
Dimension (L×W×H)	380 × 240 × 260 mm		
Weight	9 kg		

SPECIFICATIONS

★ Specifications subject to change without notice.