Temperature `45.0` °C

Gradient `20.0` °C

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

Gradient Thermal Cycler PCR
PCR Series

Model	PCR - 96G	PCR - 48G
Capacity	96 x 0.2ml	48 x 0.2ml + 30 x 0.5ml
Temperature Range	0 ~ 100ºC	
Max. Heating Range	5ºC/s	
Max. Cooling Rate	4ºC/s	
Uniformity & Accuracy	≤±0.1ºC	
Display Resolution	0.1ºC	
Temperature Control	Block / Tube	
Ramping Rate Adjustable	0.1 ~ 5ºC	
Gradient Uniformity	≤±0.2ºC	
Gradient Accuracy	≤±0.2ºC	
Gradient Temp. Range	30 ~ 100ºC	
Gradient Spread	1 ~ 30ºC	
Hot Lid Temperature	30 ~ 110ºC	
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 ~ 9.9ºC	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at4ºC	Forever	
Print, LAN to Computer,	Yes	
LCD Display	Touch Screen, 8'', 800 x 600 Pixels, TFT	
Communication	USB 2.0, LAN	
Power Requirements	230 Vac, ± 20%, 50-60Hz	
Dimension (LxWxH)	380 x 240 x 260 mm	
Weight Approx	9 kg	