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Gradient Thermal Cycler - PCR, Touch Screen

Product Image



Description

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	PCR9602G
Capacity	96×0.2ml
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

Disclaimer

The Products details given on this page are indicative in nature and JAPSON reserves the right to change them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.