

RDBL-96E GRADIENT PCR MACHINE



Description:

Gradient PCR instrument is a gene amplification instrument with gradient PCR function derived from ordinary PCR instrument. It is widely used in molecular biology, criminal investigation, disease research and other fields.

Features:

New and unique appearance, the interface operation is simple and convenient, compact size. The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminates the edge effect of module heat conduction, the module temperature uniformity is excellent. Built-in multi-channel refrigeration film, several sensors are evenly distributed; the program temperature control is more precise. 5-inch TFT high-definition full-touch color screen, can quickly edit the required files, visual display of temperature curve, convenient and fast setting, accurate display of temperature curve and instrument running process status in real time. The system has a built-in gradient calculator, which can easily



obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions. User login, rights management, password protection, data security, administrators can clear users, large data storage; the maximum number of files that can be stored in the machine is greater than 100. The ingenious elastic hot cover structure design, ADAPTS to the different height test tube, guarantees the best conditions for the test. Real-time display of gradient temperature distribution, real-time temperature display, more conducive to controlling the sample temperature. The hot lid temperature and working mode can be set, hot lid can be switched on and off, and test tube temperature control mode and module temperature control mode can be chosen to meet more different experimental requirements.

Interface display:

The 5-inch TFT high-definition full-touch color screen can quickly edit the required files, temperature curve visual display, the setting is convenient and fast, real-time accurate display temperature curve and instrument operation process status.

Technical Specifications:

• Model	RDBL-96E
• Single step time	1~59m59s (0 is forever)
• Temp. Range	4~99.9°C(constant temp.: 4°C)
• Sample capacity	96×0.2ml
• Max. Heating rate	4.5°C/s
• Max. Cooling rate	4°C/s
• Temp. Uniformity	±0.25°C
• Temp. Accuracy	±0.20°C
• Temp. Display resolution	0.1°C
• Temp. Control method	Block/Tube
• Gradient temp. Uniformity	±0.3°C
• Gradient temp. Accuracy	±0.3°C



- Gradient temp. Range 30~99.9°C
- Gradient temp. Difference range 0.1~30°C
- Hot cover temp. Range 30~105°C
- Max. Steps of the program 30
- Program max. Cycle nu 99
- Time increment/decrement -599~+599s
- Temp. Increase/decrease -9.9~+9.9°C
- Program pause function Yes
- 16°C Insulation Forever
- LCD 5 inch, 800×480 Pixel-
- Program storage quantity > 100
- Communication Interface USB 2.0
- Input power 100~240V AC6.6~3.1A 50/60Hz
- Dimensions W.185×D.280×H.160mm
- Net weight 4.3kgs

Technical Parameters:

MODEL	RDBL-32PM
Sample capacity	32 hole x 0.2ml
Temp. control range	8 ~ 99.9°C
Time adjustment range	1s ~ 60min
Temp. display resolution	0.1°C
Temp. control accuracy	±0.2°C
Temp. uniformity	±0.2°C



Max. Heating speed	5°C/s
Max. cooling speed	4°C/s
Stored program number	16
Cycle number range	1 ~ 99
Hot cover temperature	105°C
Ambient temperature	8 ~ 30°C
Control interface	Touch screen / knob adjustment
Power supply	DC24V, 6A
Dimensions (Wx D x H)	200 x 230 x 85 mm
Net weight	3.2kgs