BioLAB

PRODUCT CATALOG

GRADIENT PCR THERMAL CYCLER BTHC-602

CE ISO9001 CERTIFIED

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GRADIENT PCR THERMAL CYCLER BTHC-602

GRADIENT PCR INSTRUMENT

The gene amplification instrument is mainly used for gene amplification in scientific research, qualitative PCR gene amplification, fluorescence / enzyme immune endpoint quantitative DNA gene amplification, gene chip and other analytical applications of gene amplification, etc.

New and unique appearance, the interface operation is simple and convenient, compact size.
The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminate 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

SPECIFICATIONS

Model	BTHC-602
Single step time	1~59m59s (0 is forever)
Temp. range	4~99.9°C (constant temp.: 4°C)
Sample capacity	96x0.2ml / 384x0.04ml
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	30~110°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, 800x480 Pixel
Program storage quantity	>100
Communication Interface	USB 2.0
Input power	100~240V AC6.6~3.1A 50/60Hz
Power	600W
Fuse	250V 5A, Φ5x20
Dimensions	W.205xD.280xH.160mm
Net weight	4.3kgs

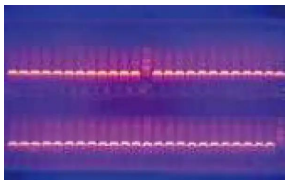
Alt Name	Gradient PCR Thermal Cycler

FEATURES

New and unique appearance, the interface operation is simple and convenient, compact size.
The latest generation of semiconductor technology, excellent augmentation performance, effectively eliminate 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-tmi e temperature display, more conducive to controlling the sampel 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 choose to meet more different experimental requirements.

One-click open button

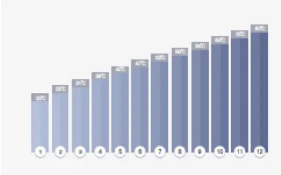
96-well large sample table



Uniformity

Remove edge effect technique

5-inch display



Gradient Calculation

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