

Professional manufacturer
of molecular
biology equipment



PRODUCT BROCHURE



Integrity Innovation Professional

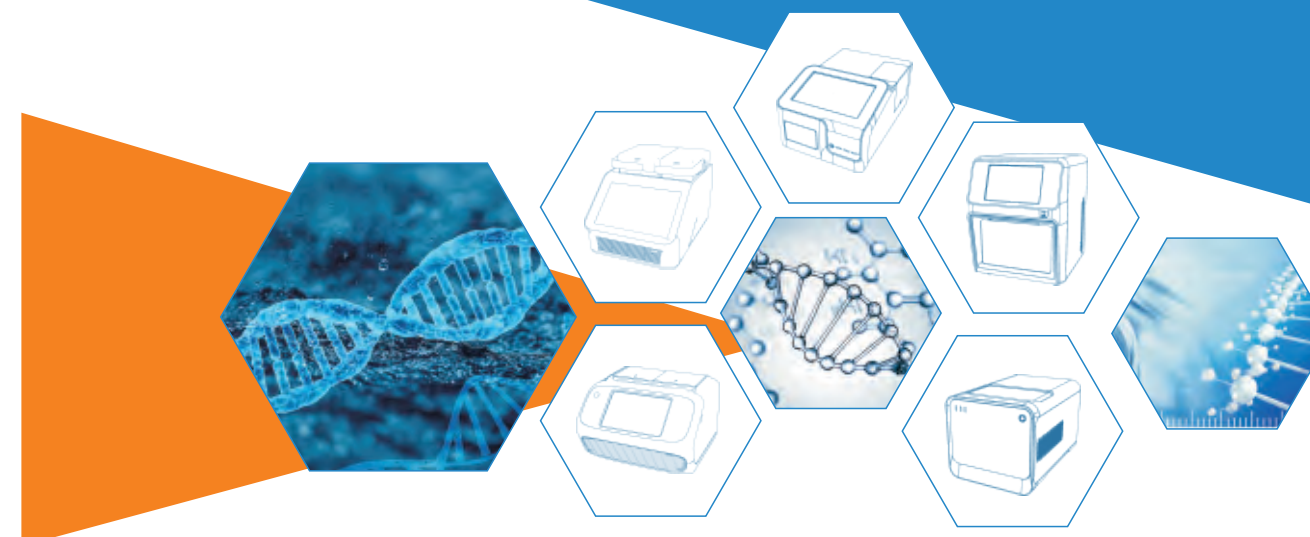


TABLE OF CONTENTS

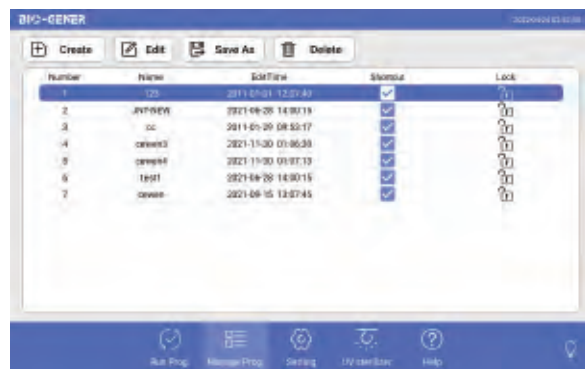
Real time PCR system
PCR thermal cycler

“

MUTUAL BENEFIT
AND WIN-WIN

”

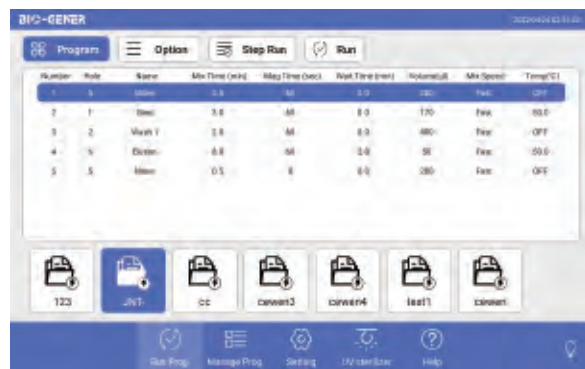
Operation steps



① New



② Edit Program

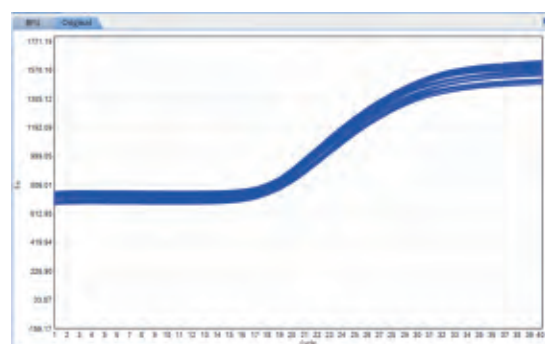


③ Program Running

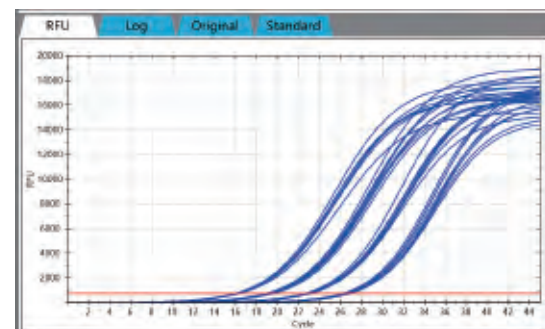
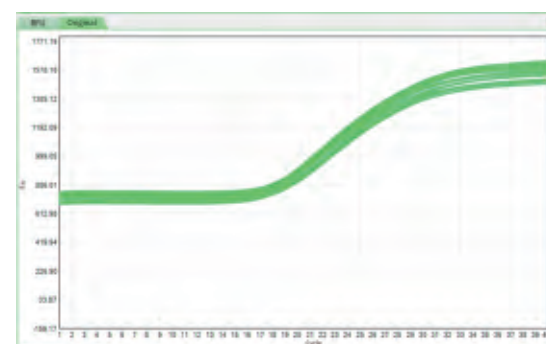


④ UV Disinfection

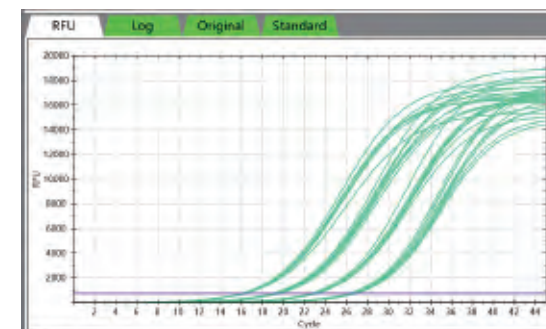
Example of DNA/RNA extraction



Repeatability



Linear



Q9600 series
Real Time PCR

new arrival



Product introduction

Q9600 is a high-throughput real-time PCR instrument developed by Bio-Gener company. It adheres to the principles of high efficiency and quality, combined with the advanced temperature control system and optical system, as well as powerful software analysis functions. It can realize applications such as qualitative/quantitative analysis, genotyping, allele identification, HRM, melting curve analysis and etc. The product adopts side scan technology and all channels are collected at the same time. 96 samples can be scanned within 5 seconds to save the test time. This product has powerful software and hardware functions to meet the different needs.

Application

- Research institutions and molecular clones, gene expression, and genotyping of various colleges and universities
- Medical institutions perform pathogen testing, genetic screening, various infectious diseases, tumor diagnosis, etc.
- Detectives of various pet pathogens (such as avian influenza, foot -and -mouth disease, swine fever, etc.) and health monitoring
- All kinds of food microbial detection, allergens, genetically modified food, real and false meat identification, etc.
- Environmental testing, pesticide residues and soil testing
- Reagent development, verification, regeneration drugs, etc.

- 01** Strong fluorescence signal, low background noise and high sensitivity.
- 02** Complete the scan of all fluorescent channels of 96 samples within 5S.
- 03** LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- 04** Automatic hot lid, which can be used with automated workstations to improve work efficiency.
- 05** PC operation, a computer can control multiple instruments.
- 06** Powerful software analysis functions can perform qualitative/quantitative analysis, HRM, genotyping and etc.

PRODUCT FEATURES

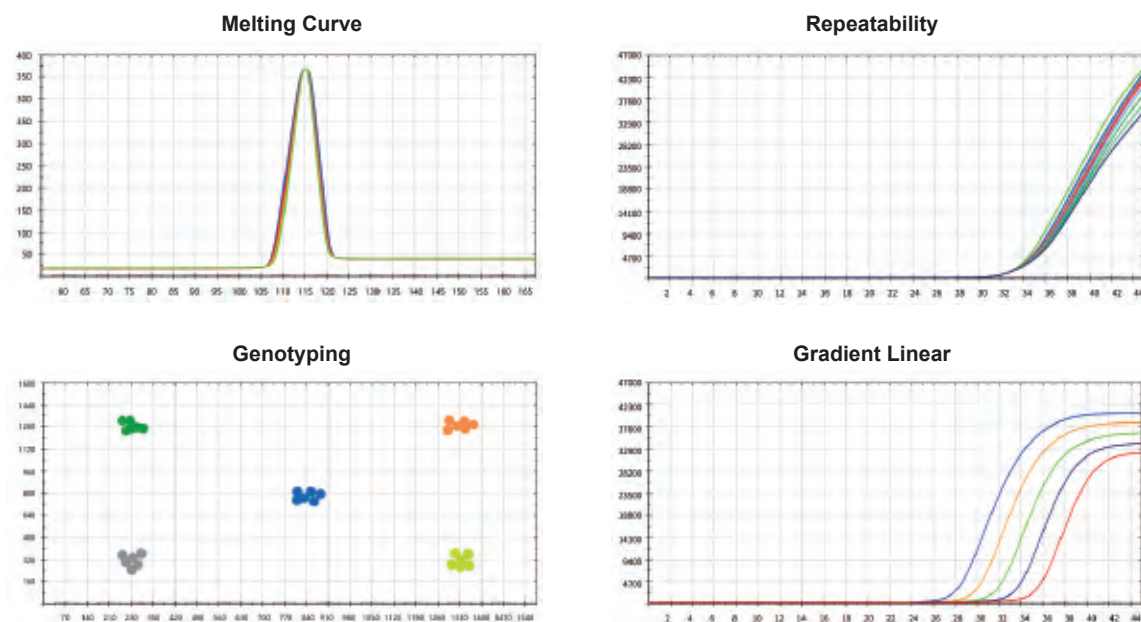
Three temperature zones control, good temperature repeatability and high accuracy

Fluorescence side scan technology

Unique side scan technology, All channels can be detected simultaneously, Complete the scan of all fluorescent channels of 96 samples within 5S.

Configure automation hot lid, Can be used with automation workstation, Improve work efficiency

Powerful software analysis function



PERFORMANCE INDICATORS

Model No.	Q9602	Q9604	Q9606
Sample Capacity	96 well, 12*8 strip, 96*0.2ml single tube		
Consumable	0.2ml tube, 0.2ml 8-tube strips, 0.2ml 96 well plate		
Reaction Volume	10-100µl		
Temperature Range	0-105°C(Resolution:0.1°C)		
MAX. Ramp Rate	7.0°C/s		
Temperature fluctuation	±0.1°C		
Uniformity	±0.25°C		
Accuracy	±0.25°C		
Gradient Spreed	1~40°C		
Hot Lid Temperature	30-110°C(Adjustable, default 105°C)		
Lid Operation	Automatic hot lid		
Temperature Control	Block/Tube		
Excitation Wavelength	300-810nm		
Emission Wavelength	500-810nm		
Detection Channel	2 channel	4 channel	6 channel
Detection Method	All channels scan at the same time		
Scan Period	5 seconds to complete 96 well test		
Factory Calibrated Dyes	F1: FAM/SYBR-Green /EVA-Green, F2: HEX/VIC/JOE/TET/CY3/YELLOW F3: ROX/Texas Red, F4: Cy5, F5: Cy5.5, F6: customized		
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10 ¹⁰ Copies		
Sensitivity	1 copy		
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, standard curve, allele identification, temperature gradient function, etc.		
Operation System	Win7, Win10 and Win11		
Remote Monitoring	can connected to laboratory management system		
Automation Platform	Can be used with automated workstations		
Date Export Formats	excel, csv, txt		
Printing	Report can be printed directly		
Control Method	PC control, one pc control several devices		
Communication	USB2.0, RS232		
Dimension	495x350x330mm(L x W x H)		
Weight	8KG		
Voltage	100-240VAC 50-60Hz		
Power	1400W		

▶ **Q3200** series
Real Time PCR
Dual Block
One Device Dual
Rapid Test
CE **CE-I**



PRODUCT FEATURES

Model	Q3202	Q3204	Q3202-F	Q3204-F
Feature	two channel	four channel	dual channel rapid ramp rate	four channel rapid ramp rate

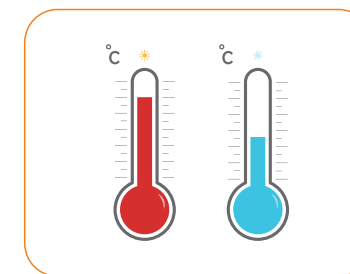
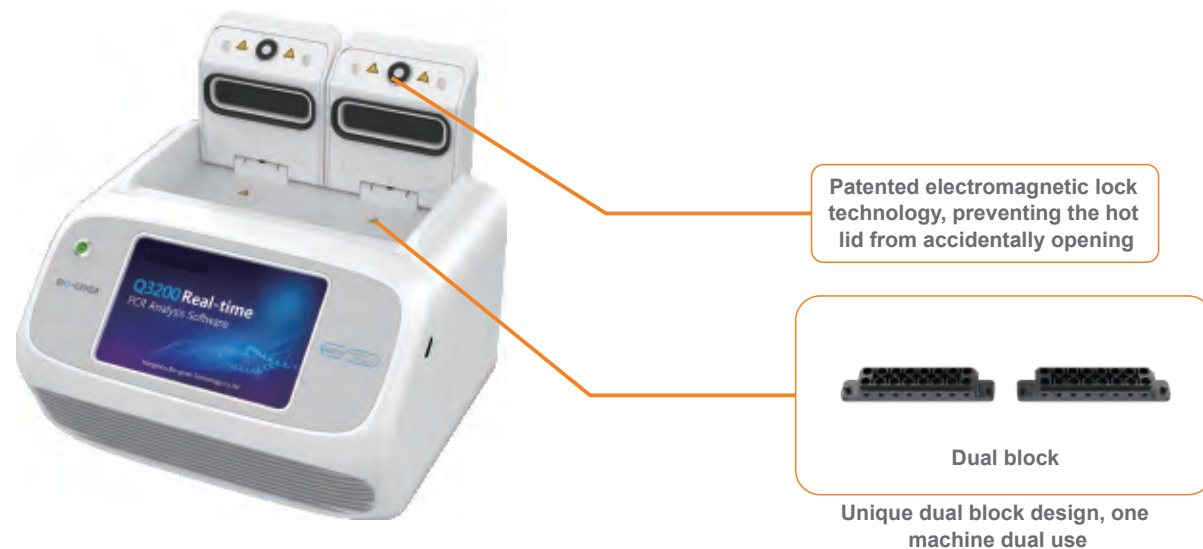
- Four channels and double 16-well blocks design, can run two different programs at the same time.
- Small size, light weight, easy to carry.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, Genotyping, Relative quantification, and etc.
- 7-inch high-definition TFT color touch screen, and embedded win10 operating system.
- 20G flash memory can save 40,000 experimental data.
- Printer as an optional which can print the records directly, no need to connect the computer.
- Imported 32 bundled optical fibers are used to collect fluorescence from the side to increase the intensity of fluorescence signal and reduce light conduction damage.
- Black reaction block to avoid background noise.
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
- Front shutdown button makes file data more secure.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.

APPLICATION AREAS

The Q3200 can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

Product introduction

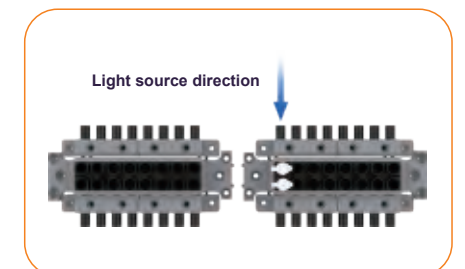
Q3200 Real-Time PCR System is a portable fluorescence quantitative PCR instrument developed by Bio-Gener company. This product adopts four channel and double 16-well blocks, which can run two different files simultaneously. The product combines a variety of advanced technologies: 7-inch high-definition TFT color touch screen, win10 operating system with analysis software, complete quantitative analysis and printing report without computer. It adopts American Marlow custom-made peltier, high sensitivity photoelectric detector and side scan technology, to ensure superior performance and stable detection results.



Max ramping rate 8°C/S, saving the test time



Air channel is in front and back and it allows machine placed side by side



The instrument uses side scanning technology to improve the fluorescent signal acquisition strength

PERFORMANCE INDICATORS

Model No.	Q3202	Q3204	Q3202-F	Q3204-F
Sample Capacity	32×0.2ml(4×8well, dual block)			
Consumable	Clear 0.2 ml PCR tube /8-tube strips			
Reaction Volume	15-100µl			
Temperature Control Technology	Marlow customized Peltier allow 1.000.000 cycles			
Temperature Range	0-100°C(Resolution:0.1°C)			
MAX. Ramp Rate	5°C/s		8°C/s	
Temperature Fluctuation	±0.1°C			
Uniformity	±0.25°C			
Accuracy	±0.25°C			
Hot Lid Temperature	30-110°C (Adjustable, default 105°C)			
Temperature Control	Block/Tube			
Excitation Wavelength	300-800nm			
Emission Wavelength	500-800nm			
Factory Calibrated Dyes	F1: FAM/SYBR Green I F2: HEX/VIC /JOE/TET F3: ROX F4: CY5			
Excitation	Long life LED			
Detection	High sensitivity photoelectric detector			
Dynamic Range	1-10 ¹⁰ Copies			
Sensitivity	1 copy			
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping			
Date Export Formats	excel, csv, txt			
Printing	Report can be printed (optional USB thermal printer)			
Control Method	7 inch color TFT touch screen, Can be connected to computer control			
Communication	USB2.0			
Dimension	300x267x198mm(L x W x H)			
Net Weight	8KG		11KG	
Voltage	220VAC, 50Hz			
Power	DC15V 255W		DC27.5V 600W	

Q1600 series
Real Time PCR
Dual Block
One Device Dual Uses
Powerful Function
 CE CE-IVDR



APPLICATION AREAS

The Q1600 can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

Product introduction

Q1600 Real-Time PCR System is a portable fluorescence quantitative PCR instrument developed by Bio-Gener company. This product adopts four channel and double 8-well blocks, which can run two different files simultaneously. The product combines a variety of advanced technologies: 7-inch high-definition TFT color touch screen, win10 operating system with analysis software, complete quantitative analysis and printing report without computer. It adopts American Marlow custom-made peltier, high sensitivity photoelectric detector and side scan technology, to ensure superior performance and stable detection results

PRODUCT FEATURES

- Four channels and double 8-well blocks design, can run two different programs at the same time.
- Small size, light weight, easy to carry.
- Built-in software analysis function for qualitative/quantitative analysis.
- 7-inch high-definition TFT color touch screen, and embedded win10 operating system.
- 20G flash memory can save 40,000 experimental data.
- Printer as an optional which can print the records directly, no need to connect the computer.
- Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable.
- Adopt the same acquisition optical path to improve the repeatability
- Black reaction block to avoid background noise
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
- Front shutdown button makes file data more secure.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.

PERFORMANCE INDICATORS

Model No.	Q1601	Q1602	Q1604-F
Sample Capacity	16x0.2ml(2x8well, dual block)		
Consumable	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15-100µl		
Temperature Control Technology	Marlow customized Peltier allow 1.000.000 cycles		
Temperature Range	0-100°C(Resolution:0.1°C)		
MAX. Ramp Rate	6°C/s		7°C/s
Temperature Fluctuation	±0.1°C		
Uniformity	±0.25°C		
Accuracy	±0.25°C		
Hot Lid Temperature	30-110°C (Adjustable, default 105°C)		
Temperature Control	Block/Tube		
Excitation Wavelength	300-800nm		
Emission Wavelength	500-800nm		
Factory Calibrated Dyes	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET F3: ROX F4: CY5		
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10 ¹⁰ Copies		
Sensitivity	1 copy		
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping		
Date Export Formats	excel,csv,txt		
Printing	Report can be printed (optional USB thermal printer)		
Control Method	7 inch color TFT touch screen, Can be connected to computer control		
Communication	WIFI/USB2.0	WIFI/USB2.0	USB2.0
Dimension	300x267x198mm(L x W x H)		
Net Weight	8KG		
Voltage	220VAC, 50Hz		
Power	DC15V 255W		

H1600 ^{series}
Isothermal Amplification System

Touch Screen Operation

Simple Operation

Powerful Function



APPLICATION AREAS

The H1600 can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

Product introduction

H1600 Isothermal Amplification System is a Portable isothermal amplification fluorescence instrument developed by Bio-Gener company. This product adopts dual channel and double 8-well blocks, which can run two different files simultaneously. The product combines a variety of advanced technologies: 7-inch high-definition TFT color touch screen, win10 operating system with analysis software, complete quantitative analysis and printing report without computer. It adopts American Marlow custom-made peltier, high sensitivity photoelectric detector and side scan technology, to ensure superior performance and stable detection results.

PRODUCT FEATURES

- Double channels and double 8-well blocks design, can run two different programs at the same time.
- Powerful software analysis function, which can be used for Quantitative Analysis, Melting Curve Analysis, Genotyping, Relative quantification, and etc.
- 7-inch high-definition TFT color touch screen, and embedded win10 operating system.
- 20G flash memory can save 40,000 experimental data.
- Printer as an optional which can print the records directly, no need to connect the computer.
- Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable.
- Adopt the same acquisition optical path to improve the repeatability
- Black reaction block to avoid background noise
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- The electromagnetic lock cover technology prevents the hot lid from accidentally opening.
- Front shutdown button makes file data more secure.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.
- Small size, light weight, easy to carry.

PERFORMANCE INDICATORS

Model No.	H1601	H1602
Sample Capacity	16x0.2ml(2x8well, dual block)	
Consumable	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100µl	
Temperature Control Technology	Marlow customized Peltier allow 1.000.000 cycles	
Temperature Range	0-100°C(Resolution:0.1°C)	
MAX. Ramp Rate	6°C/s	
Temperature Fluctuation	±0.1°C	
Uniformity	±0.25°C	
Accuracy	±0.25°C	
Hot Lid Temperature	30-115°C (Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET	
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10 ¹⁰ Copies	
Sensitivity	1 copy	
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping	
Date Export Formats	excel, csv, txt	
Printing	Report can be printed (optional USB thermal printer)	
Control Method	7 inch color TFT touch screen, Can be connected to computer control	
Communication	WIFI/USB2.0	
Dimension	300x267x198mm(L x W x H)	
Net Weight	8KG	
Voltage	220VAC, 50Hz	
Power	DC15V 255W	

Q8800 ^{series}
SuperMini Real Time PCR

Small Size
Powerful Function

CE

Wi-Fi

APPLICATION AREAS

The Q8800 can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

Product introduction

Q8800 is a super mini real time PCR system developed by Bio-Gener Company. This product uses a four-channel 8-well block design. It uses the MARLOW customized Peltier, high-sensitivity photodetector and side scanning technology to ensure superior performance and stable detection.

PRODUCT FEATURES

- Small size, light weight, easy to carry.
- Powerful software analysis function, which can perform quantitative analysis, melting curve analysis, genotyping, etc.
- Adopting side scan technology, the detection distance is short, and the fluorescence collection signal is stable.
- Black reaction block to avoid background noise.
- Adopt the same acquisition optical path to improve the repeatability.
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.

PERFORMANCE INDICATORS

Model No.	Q8801	Q8802	Q8804
Sample Capacity	8×0.2ml (8 well)		
Consumable	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15-100µl		
Temperature Control Technology	Marlow customized Peltier allow 1.000.000 cycles		
Temperature Range	0-100°C(Resolution:0.1°C)		
MAX. Ramp Rate	7°C/s		
Temperature Fluctuation	±0.1°C		
Uniformity	±0.25°C		
Accuracy	±0.25°C		
Hot Lid Temperature	30-110°C (Adjustable, default 105°C)		
Temperature Control	Block/Tube		
Excitation Wavelength	300-800nm		
Emission Wavelength	500-800nm		
Factory Calibrated Dyes	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET F3: ROX F4: CY5		
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10 ¹⁰ Copies		
Sensitivity	1 copy		
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping		
Date Export Formats	excel, csv, txt		
Printing	Report can be printed (optional USB thermal printer)		
Control Method	7 inch color TFT touch screen, Can be connected to computer control		
Communication	WIFI/USB2.0		
Dimension	195x165x140mm(L x W x H)		
Net Weight	3KG		
Voltage	220VAC, 50Hz		
Power	DC15V 150W		

H8800 series
SuperMini Isothermal Amplification System

- Small design
- Portable
- Suitable for field



APPLICATION AREAS

The H8800 can be used for real-time detection in pasture, forest farm, breeding farm and water source. It is used for rapid diagnosis of disaster and epidemic disease, inspection and quarantine in the field of food safety, and scientific research in biological laboratories.

Product introduction

H8800 is a super mini isothermal amplification fluorescence detection system developed by Bio-Gener Company. This product uses a two-channel 8-well block design. It uses the MARLOW customized Peltier, high-sensitivity photodetector and side scanning technology to ensure superior performance and stable detection.

PRODUCT FEATURES

- Small size, light weight, easy to carry.
- Powerful software analysis function, which can perform quantitative analysis, melting curve analysis, genotyping, etc.
- Adopting side scan technology, the detection distance is short, and the fluorescence collection signal is stable.
- Black reaction block to avoid background noise.
- Adopt the same acquisition optical path to improve the repeatability.
- LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.
- It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
- Forward and backward air vent design, can be placed side by side, saving laboratory space.

PERFORMANCE INDICATORS

Model No.	H8801	H8802
Sample Capacity	8×0.2ml (8 well)	
Consumable	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100µl	
Temperature Control Technology	Marlow customized Peltier allow 1.000.000 cycles	
Temperature Range	0-100°C(Resolution:0.1°C)	
MAX. Ramp Rate	7°C/s	
Temperature Fluctuation	±0.1°C	
Uniformity	±0.25°C	
Accuracy	±0.25°C	
Hot Lid Temperature	30-110°C (Adjustable, default 105°C)	
Temperature Control	Block/Tube	
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1: FAM/SYBR Green I F2: HEX/VIC/JOE/TET	
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10 ¹⁰ Copies	
Sensitivity	1 copy	
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping	
Date Export Formats	excel, csv, txt	
Printing	Report can be printed (optional USB thermal printer)	
Control Method	7 inch color TFT touch screen, Can be connected to computer control	
Communication	WIFI/USB2.0	
Dimension	195x165x140mm(L x W x H)	
Net Weight	3KG	
Voltage	220VAC, 50Hz	
Power	DC15V 150W	

▶ **AUTO-96**
THERMAL CYCLER

Can Be Equipped With
Desktop Pipetting Station

Accept Personalized
Customization



Product introduction

AUTO-96 automated thermal cycler, which can be connected to a computer through a USB port or RS232 / RS485 port. All operations are completed on the special software for the computer control of the PCR instrument. After the operation file is issued, the machine can work without the computer to ensure that the experiment is not affected by the computer failure. High heating and cooling rate, max ramping rate is 5 C/s. Small size, can be equipped with desktop pipetting station.

PRODUCT FEATURES

- Adopt imported customized long-life Peltier heating units, and cycle time is more than 1,000,000
- The reinforced aluminum block treated by anodizing technology not only retains fast thermal conductivity, but also has sufficient corrosion resistance
- High heating and cooling rate, max ramping rate is 5 C/s, can save your precious time
- Electric Self-adapting hot lid can fit full 96 wells plate and half skirt 96 wells plate
- Small size, can be equipped with desktop pipetting station
- Auto 96 can be connected to a computer through a USB port or RS232 / RS485 port. All operations are completed on the special software for the computer control of the PCR instrument
- The instrument can be operated offline. When the computer crashes or the communication is interrupted, it will not be affected and the experiment can be carried out normally
- Automatic power-off protection, after the power supply is restored, the unfinished cycle is automatically executed to ensure the safe operation of the entire amplification process
- Support opening hot lid and adding samples during the experiment to meet various experimental needs.
- The control software can be upgraded through the computer

PERFORMANCE INDICATORS

Model No.	AUTO-96
Capacity	96×0.2ml
Tube	0.2ml tubes, 8 strips, Full 96 wells plate, Half skirt 96 wells plate
Reaction Volume	10-80ul
Temperature Range	0-100°C
MAX. Ramp Rate	5°C/s
Uniformity	≤±0.3°C
Accuracy	≤±0.2°C
Display Resolution	0.1°C
Temperature Control	Block\Tube
Ramping Rate Adjustable	0.1-5°C/s
Gradient Temp. Range	30-100°C
Gradient Spread	1-30°C
Hot Lid Temperature	30-110°C
Hot Lid Height Adjustable	Electric hot lid
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment/Decrement	1 Sec - 600 Sec
Temp. Increment/Decrement	0.1-10.0°C
Pause Function	Yes
Auto Data Protection	Yes
Hold at 4°C	Forever
Communication	USB2.0, RS232/RS485
Dimensions	305mm×155mm×203mm (L×W×H)
Weight	15KG
Power Supply	100-240VAC, 50/60Hz, 600 W

▶ **RePure-T** series
 Triple Gradient PCR
 Thermal Cycler

- Rapid Experiment
- Triple Block Design
- One Instrument Multiple Use



Product introduction

The RePure-T has Android operation system and 10.1 inch capacitive touch screen. 3 blocks can run gradient experiments independently; Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8°C/S and cycle times is more than 1000,000. Wifi unit is built in and user can control many units of PCR through mobile App.

PRODUCT FEATURES

- Long service life Peltier heating units
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. Ramping rate 8 °C/s, can save your precious time
- Self-adapting pressure hot lid makes closing lid and tightening lid in one step
- Air channel is in front and back and it allows machine placed side by side
- It has Android operation system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple
- Built-in 11 standard program file template, can quickly edit the required files
- The running program and left time can be displayed in real time, allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Hot lid temperature is adjustable to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- Support USB to store and copy PCR data, user can control PCR by USB mouse
- WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection

PERFORMANCE INDICATORS

Model No.	RePure-T	RePure-T(F)
Capacity	3 × (32 × 0.2ml)	
Tube	0.2ml tube, 8 strips	
Reaction Volume	5-120ul	
Temperature Range	0-105°C	
MAX. Ramp Rate	6°C/s	8°C/s
Uniformity	≤ ±0.2°C	
Accuracy	≤ ±0.1°C	
Display Resolution	0.1°C	
Temperature Control	Block\Tube	
Ramping Rate Adjustable	0.01-6°C	0.01-8°C
Gradient Temp. Range	30-105°C	
Gradient Type	Normal/Linear Gradient	
Gradient Spread	1-30°C	
Hot Lid Temperature	30-115°C	
Number of Programs	20000 +(USB FLASH)	
Max. No. of Step	40	
Max. No. of Cycle	200	
Time Increment/Decrement	1 Sec - 600 Sec	
Temp. Increment/Decrement	0.1-10.0°C	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4°C	Forever	
Touchdown Function	Yes	
Long PCR Function	Yes	
Language	English	
Mobile App	Android	
LAN to Computer	Yes	
LCD	10.1 inch, 1280×800 pels	
Communication	USB2.0, wifi	
Dimensions	385mm × 270mm × 255mm (L×W×H)	
Weight	11kg	18kg
Power Supply	100-240VAC, 50/60Hz, 600 W	100-240VAC, 50/60Hz, 1200 W

▶ **RePure-D** series
 Dual Block Two Dimensional
 Gradient PCR Thermal Cycler
 Dual Block
 One device Multiple Use
 Innovative Research And Developm



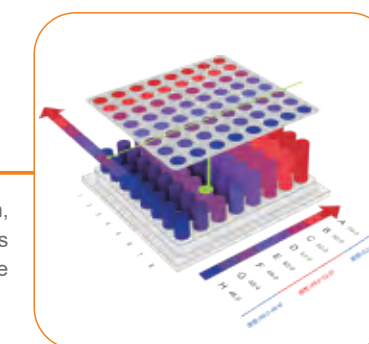
Product introduction

The RePure-D has Android operation system and 10.1 inch capacitive touch screen. 2 blocks can run gradient experiments independently; Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8°C/S and cycle times is more than 1000,000. Wifi unit is built in and user can control many units of PCR through mobile App.

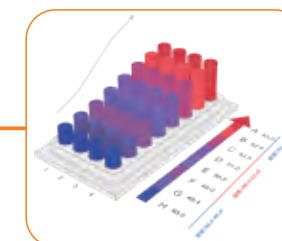


A block

The unique dual block design, can run two different programs at the same time. One device two uses.

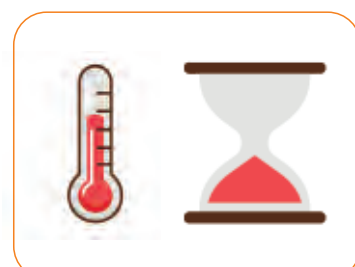


B block



PRODUCT FEATURES

- Long service life Peltier heating units
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. Ramping rate 8 °C/s, can save your precious time
- Double blocks design, The types of gradients include conventional gradients, linear gradients, two-dimensional gradients
- Self-adapting pressure hot lid makes closing lid and tightening lid in one step
- Air channel is in front and back and it allows machine placed side by side
- It has Android operation system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple
- Built-in 11 standard program file template, can quickly edit the required files
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Hot lid temperature is adjustable to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- Support USB to store and copy PCR data, user can control PCR by USB mouse
- Update software by USB and LAN
- WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection
- Email notification after experiment is over



High heating and cooling rate, Max. Ramping rate 8 °C/s, can save your precious time



Self-adapting pressure hot lid makes closing lid and tightening lid in one step



Air channel is in front and back and it allows machine placed side by side



Built-in standard program file templates, can quickly edit the required files



Email notification after experiment is over

PERFORMANCE INDICATORS

Model No.	RePure-D(B)	RePure-D	RePure-D(F)	RePure-D(P)
Capacity	64×0.2ml (A Block) + 32×0.2ml (B Block)			
Tube	0.2ml tube, 8 strips			
Reaction Volume	5-120ul			
Temperature Range	0-105°C			
MAX. Ramp Rate	5°C/s		7.5°C/s	8°C/s
Uniformity	≤±0.2°C			
Accuracy	≤±0.1°C			
Display Resolution	0.1°C			
Temperature Control	Block\Tube			
Ramping Rate Adjustable	0.01-5°C		0.01-7.5°C	0.01-8°C
Gradient Temp. Range	30-105°C			
Gradient Type	Normal/Linear Gradient (A BLOCK)	Normal/Linear Gradient (B BLOCK)	Two-Dimensional/Linear Gradient (A BLOCK)	Normal/Linear Gradient (B BLOCK)
Gradient Spread	1-30°C	1-30°C	Horizontal : 1-30°C Vertical : 1-30°C	1-30°C
Hot Lid Temperature	30-115°C			
Number of Programs	20000 +(USB FLASH)			
Max. No. of Step	40			
Max. No. of Cycle	200			
Time Increment/Decrement	1 Sec - 600 Sec			
Temp. Increment/Decrement	0.1-10.0°C			
Pause Function	Yes			
Auto Data Protection	Yes			
Hold at 4°C	Forever			
Touchdown Function	Yes			
Long PCR Function	Yes			
Language	English			
Computer Software	Android			
Mobile Phone APP	Yes			
LCD	10.1 inch, 1280×800 pels			
Communication	USB2.0, wifi			
Dimensions	385mm× 270mm× 255mm (L×W×H)			
Weight	11kg		11kg	18kg
Power Supply	100-240VAC ,50/60Hz , 600 W		100-240VAC 50/60Hz , 1000 W	100-240VAC 50/60Hz , 1200 W

▶ **RePure** series
Two Dimensional
Gradient PCR Thermal Cycler

Innovative Research And
Development



Product introduction

The RePure-Series has Android operation system and 10.1 inch capacitive touch screen. Air channel is in front and back and it allows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8 °C/s and cycle times is more than 1000,000. Wifi unit is built in and user can control many units of PCR through mobile App.

PRODUCT FEATURES

- Long service life Peltier heating units
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. Ramping rate 8 °C/s, can save your precious time
- Self-adapting pressure hot lid makes closing lid and tightening lid in one step
- Air channel is in front and back and it allows machine placed side by side
- It has Android operation system and 10.1 inch capacitive touch screen. It has graphical menu navigation interface and operation is very simple
- Built-in 11 standard program file template, can quickly edit the required files
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Hot lid temperature is adjustable to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- Support USB to store and copy PCR data, user can control PCR by USB mouse
- WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection

PERFORMANCE INDICATORS

Model No.	RePure-A	RePure-A(F)	RePure-A(384)	RePure-B	RePure-F	RePure-C
Capacity	96×0.2ml	96×0.2ml	384 well	6×16×0.2ml	96×0.2ml	
Tube	0.2ml tube, 8 strips Half skirt 96 wells plate, No skirt 96 wells plate	0.2ml tube, 8 strips 96 wells plate	384 PCR microplate	0.2ml tube, 8 strips, Half skirt 96 wells plate, No skirt 96 wells plate		
Reaction Volume	5-100ul	5-100ul	5-30ul	5-100ul		
Temperature Range	0-105°C					
MAX. Ramp Rate	5°C/s	6°C/s	5°C/s	6°C/s	7°C/s	8°C/s
Uniformity	≤±0.2°C					
Accuracy	≤±0.1°C					
Display Resolution	0.1°C					
Temperature Control	Block\Tube					
Ramping Rate Adjustable	0.01-5°C	0.01-6°C	0.01-5°C	0.01-6°C	0.01-7°C	0.01-8°C
Gradient Temp. Range	30-105°C					
Gradient Type	Normal/Linear Gradient			Dynamic Gradient	Normal/Linear gradient	Two-Dimensional/Linear Gradient
Gradient Spread	1-42°C			six zone, each zone is 0.1-5°C	1-42°C	Horizontal : 1-30°C Vertical : 1-24°C
Hot Lid Temperature	30-115°C					
Number of Programs	20000 +(USB FLASH)					
Max. No. of Step	30			40		
Max. No. of Cycle	200					
Time Increment/Decrement	1 Sec - 600 Sec					
Temp. Increment/Decrement	0.1-10.0°C					
Pause Function	Yes					
Auto Data Protection	Yes					
Hold at 4°C	Forever					
Touchdown Function	Yes					
Long PCR Function	Yes					
Language	English					
Computer Software	Android					
Mobile Phone APP	Yes					
LCD	10.1 inch, 1280×800 pels					
Communication	USB2.0, wifi					
Dimensions	385mm× 270mm× 255mm (L×W×H)					
Weight	10kg		10kg		10kg	17kg
Power Supply	100-240VAC , 50/60Hz , 600 W	100-240VAC , 50/60Hz , 750 W		100-240VAC , 50/60Hz , 600 W	100-240VAC , 50/60Hz , 1000 W	100-240VAC , 50/60Hz , 1200 W

▶ **GET3XG** series
Triple Block Thermal Cycler

Efficient, Economic And Environmental

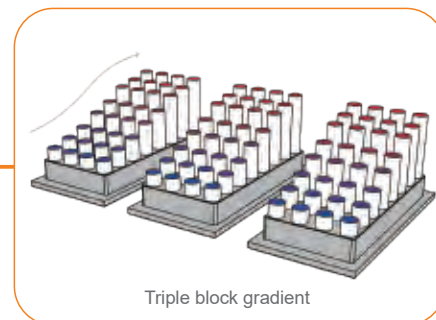
Triple Block

Independent Control



Product introduction

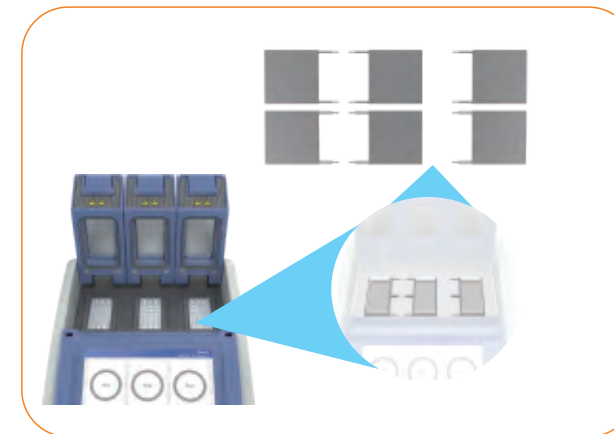
GET3XG thermal cycler uses long service life peltier. Its max. Ramping rate is 5 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android system; Color capacitive touch screen; 3 blocks can run gradient experiments independently; built-in WIFI module, mobile APP and PC software control function; email notification function; big storage capacity and etc. All above functions allow PCR's excellent performance and meet higher experiment's need.



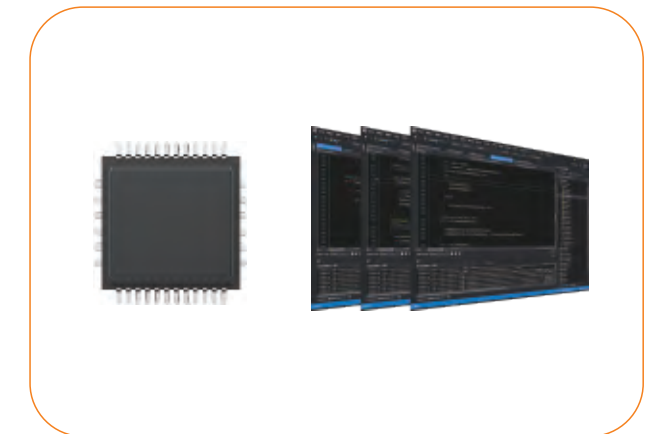
Triple block gradient
Three blocks run independently
Can run three different programs simultaneously

PRODUCT FEATURES

- 6 long service life Peltier heating units and form 3 circuits to control 3 temperature zones
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. ramping rate 5 °C/s, can save your precious time
- 3 blocks independently controlled and can run 3 different PCR gradient programs simultaneously.
- Stepless adjustable hot lid with pressure-protection, fit tubes of different heights to avoid tube melt and evaporation
- Android operating system, capacitive touch screen, high-definition TFT display(8", 800×600 pixels, 16 colors) with graphical interface provides easy use for setting up and monitoring
- Built-in 11 standard program file template, can quickly edit the required files
- Folder management, user can build directory
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Internal flash memory for 10000 typical PCR files in free configurable folders
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- GLP report records every step to provide accurate data support for experiment result analysis
- User Login Management, three-tier permission, password protection function to ensure data security
- support U disk to get PCR data, to update software, and USB mouse can also be used to control the PCR instrumen
- Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software



6 long service life Peltier heating units and form 3 circuits to control 3 temperature Zones



Large data storage capacity, up to 10000 files can be stored



Newly upgraded Android operating system, capacitive touch screen operation, graphical menu-type navigation interface, simple and smooth operation



The running program and left time can be displayed in real time, allow to edit file when program is running.

PERFORMANCE INDICATORS

Model No.	GET3X General	GET3XG
Capacity	3×(32×0.2ml)	
Tube	0.2ml tube, 8 strips	
Reaction Volume	5-120ul	
Temperature Range	0-105°C	
Max Ramp Rate	5°C/s	5°C/s
Uniformity	≤±0.2°C	≤±0.2°C
Accuracy	≤±0.1°C	≤±0.1°C
Display Resolution	0.1°C	
Temperature Control	Block\ Tube	
Ramping Rate Adjustable	0.1 - 5°C	0.1 - 5°C
Gradient Temp. Range	—	30-105°C
Gradient Spread	—	1-30°C
Hot Lid Temperature	30-115°C	
Hot Lid Height Adjustable	Stepless Adjustable	
Number of Programs	10000 +(USB FLASH)	
Max. No. of Step	30	
Max. No. of Cycle	200	
Time Increment/Decrement	1 Sec - 600 Sec	
Temp. Increment/Decrement	0.1-10.0°C	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4°C	Forever	
Touchdown Function	Yes	
Long PCR Function	Yes	
Language	English	
Mobile App	Android	
LAN to computer	Yes	
LCD	8 inch, 800×600 pels,	
Communication	USB2.0 , LAN , WIFI	
Dimensions	390mm×270mm×255mm (L×W×H)	
Weight	9 KG	
Power Supply	100 - 240 VAC, 50/60 Hz, 600 W	

▶ **GE-TOUCH** series
Thermal Cycler

New Upgrade And More Complete Functions

Up To 18 Blocks Can Be Chosen



Product introduction

Gene-Explorer Touch series thermal cycler uses 8pcs customized Marlow(US) peltier. Its max. ramping rate is 5 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android operating system, color capacitive touch screen, run dual block independently, Built-in WIFI module, mobile APP and PC software control function, big storage capacity and email alert function. All above functions allow PCR's excellent performance and meet higher experiment's need.

PRODUCT FEATURES

- 8 pcs long service life Peltier heating units and form 4 circuits to control 4 temperature zones and allow double block gradient function
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. ramping rate 5 °C/s, can save your precious time
- Two blocks independently controlled and can run 2 different PCR programs simultaneously
- Stepless adjustable hot lid with pressure-protection, fit tubes of different heights to avoid tube melt and evaporation
- Android operating system, capacitive touch screen, high-definition TFT display(8", 800×600 pixels, 16 colors) with graphical interface provides easy use for setting up and monitoring
- Built-in 11 standard program file template, can quickly edit the required files
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Internal flash memory for 10000 typical PCR files in free configurable folders
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- GLP report records every step to provide accurate data support for experiment result analysis
- User Login Management, three-tier permission, password protection function to ensure data security
- Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software

PERFORMANCE INDICATORS

Model No.	GE9612T	GE9632T	GE4852T	GE4832T	GE3842T
Capacity	96×0.2ml	96×0.2ml+ 77×0.5ml	Double 48×0.2ml	48×0.2ml+ 30×0.5ml	384 well
Tube	0.1/0.2ml tube 8 strips 96 well plate	0.1/0.2ml tube 8 strips 96 well plate	0.1/0.2ml tube 8 strips	0.1/0.2/0.5ml tube 8 strips	384 well plate
Reaction Volume	10-120ul	10-80ul, 10-120ul	10-120ul	Left block 10-120ul Right block 10-200ul	10-30ul
Temperature Range	0 - 105°C				
Heating Ramp Rate	5°C/s				
Uniformity	≤±0.2°C				
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	30-105°C				
Gradient Spread	1-30°C				
Hot Lid Temperature	30-115°C				
Hot Lid Height Adjustable	Stepless Adjustable				
Number of Programs	10000 + (USB FLASH)				
Max. No. of Step	30				
Max. No. of Cycle	200				
Time Increment/Decrement	1 Sec - 600 Sec				
Temp. Increment/Decrement	0.1-10.0°C				
Pause Function	Yes				
Auto Data Protection	Yes				
Hold at 4°C	Forever				
Touchdown Function	Yes				
Long PCR Function	Yes				
Language	English				
Mobile App	Android				
LAN to computer	Yes				
LCD	8 inch, 800×600 pels,				
Communication	USB2.0 , LA N , WIFI				
Dimensions	390mm×270mm×255mm (L×W×H)				
Weight	9 KG				
Power Supply	100 - 240 VAC, 50/60 Hz, 600 W				

▶ GET-S^{series}
Thermal Cycler

Intelligent Economic

Convenient



Product introduction

GET-S series thermal cycler uses long service life peltier. Its max. ramping rate is 4.5 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android system; Color capacitive touch screen; several block as options; built-in WIFI module, mobile APP and PC software control function; email notification function; big storage capacity and etc. All above functions allow PCR's excellent performance and meet higher experiment's need.

PRODUCT FEATURES

- Six pieces of long service life Peltier heating units and form 3 circuits to control 3 temperature zones
- Reinforced aluminum module with anodizing technology can keep rapidheating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. ramping rate 4.5 °C/s, can save your precious time
- Stepless adjustable hot lid, fit tubes of different heights to avoid tube melt and evaporation
- Android operating system, capacitive touch screen, high-definition TFT display(8", 800×600 pixels, 16 colors) with graphical interface provides easy use for setting up and monitoring
- Built-in 11 standard program file template, can quickly edit the required files
- Folder management, user can build directory
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Internal flash memory for 10000 typical PCR files in free configurable folders
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- GLP report records every step to provide accurate data support for experiment result analysis
- User Login Management, three-tier permission, password protection function to ensure data security
- support U disk to get PCR data, to update software, and USB mouse can also be used to control the PCR instrumen
- Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software

PERFORMANCE INDICATORS

Model No.	GE9612T-S	GE9632T-S	GE6022T-S	GE3842T-S
Capacity	96×0.2ml	96×0.2ml+77×0.5ml	60×0.5ml	384well
Tube	0.1/0.2ml tube 8 strips, 96 well plate	0.1/0.2/0.5ml tube 8 strips, 96 well plate	0.5ml tube	384 well plate
Reaction Volume	10-120ul	10-80ul, 10-120ul	10-200ul	10-30ul
Temperature Range	0 - 105°C			
Heating Ramp Rate	4.5°C/s			
Uniformity	≤±0.2°C			
Accuracy	≤±0.1°C			
Display Resolution	0.1°C			
Temperature Control	Block\ Tube			
Ramping Rate Adjustable	0.1 - 4.5°C			
Gradient Uniformity	≤±0.2°C			
Gradient Accuracy	≤±0.2°C			
Gradient Temp. Range	30-105°C			
Gradient Spread	1-30°C			
Hot Lid Temperature	30-115°C			
Hot Lid Height Adjustable	Stepless Adjustable			
Number of Programs	10000 + (USB FLASH)			
Max. No. of Step	30			
Max. No. of Cycle	200			
Time Increment/Decrement	1 Sec - 600 Sec			
Temp. Increment/Decrement	0.1-10.0°C			
Pause Function	Yes			
Auto Data Protection	Yes			
Hold at 4°C	Forever			
Touchdown Function	Yes			
Long PCR Function	Yes			
Language	English			
Mobile App	Android			
LAN to computer	Yes			
LCD	8 inch, 800×600 pels,			
Communication	USB2.0 , LAN , WIFI			
Dimensions	390mm×270mm×255mm (L×W×H)			
Weight	9 KG			
Power Supply	100 - 240 VAC, 50/60 Hz, 600 W			

▶ **GE4T** series
IN-SITU Thermal Cycler

Used For In Situ Hybridization
Or Gene Chip Experiments

Accept Customization Of
Different Chip Specifications



Product introduction

GE4T IN-SITU thermal cycler uses long service life peltier. Its max. ramping rate is 4 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android system; Color capacitive touch screen; several block as options; built-in WIFI module, mobile APP and PC software control function; email notification function; big storage capacity and etc. All above functions allow PCR's excellent performance and meet higher experiment's need.

PRODUCT FEATURES

- Six pieces of long service life Peltier heating units and form 3 circuits to control 3 temperature zones
- Reinforced aluminum module with anodizing technology can keep rapidheating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. ramping rate 4 °C/s, can save your precious time
- Stepless adjustable hot lid, fit tubes of different heights to avoid tube melt and evaporation
- Android operating system, capacitive touch screen, high-definition TFT display(8", 800×600 pixels, 16 colors) with graphical interface provides easy use for setting up and monitoring
- Built-in 11 standard program file template, can quickly edit the required files
- Folder management, user can build directory
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Internal flash memory for 10000 typical PCR files in free configurable folders
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program
- GLP report records every step to provide accurate data support for experiment result analysis
- User Login Management, three-tier permission, password protection function to ensure data security
- support U disk to get PCR data, to update software, and USB mouse can also be used to control the PCR instrumen
- Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software

PERFORMANCE INDICATORS

Model No.	GE4T
Capacity	120×80mm
Temperature Range	0 - 105°C
Max Ramp Rate	4°C/s
Uniformity	≤±0.2°C
Accuracy	≤±0.1°C
Display Resolution	0.1°C
Temperature Control	Block\ Tube
Ramping Rate Adjustable	0.1 - 4°C
Hot Lid Temperature	30-115°C
Hot Lid Height Adjustable	Stepless Adjustable
Number of Programs	10000 + (USB FLASH)
Max. No. of Step	30
Max. No. of Cycle	200
Time Increment/Decrement	1 Sec - 600 Sec
Temp. Increment/Decrement	0.1-10.0°C
Pause Function	Yes
Auto Data Protection	Yes
Hold at 4°C	Forever
Touchdown Function	Yes
Long PCR Function	Yes
Language	English
Mobile App	Android
LAN to computer	Yes
LCD	8 inch, 800×600 pels,
Communication	USB2.0 , LAN , WIFI
Dimensions	390mm×270mm×255mm (L×W×H)
Weight	9 KG
Power Supply	100 - 240 VAC, 50/60 Hz, 600 W

▶ ELVE ^{series}
Thermal Cycler

Android System, Teaching Version And Vehicle Version Are Available



Product introduction

ELVE series thermal cycler uses long service life peltier. Its max. Ramping rate is 5 °C/s and cycle times is more than 1000,000. The product combines a variety of advanced technologies: Android system; color touch screen; gradient function; WIFI module built-in; support cell phone APP control; email notification function; big storage capacity and support USB device.

PRODUCT FEATURES

- Long service life Peltier heating units
- Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance
- High heating and cooling rate, max. Ramping rate 5 °C/s, can save your precious time
- Scalable hot lid fits tubes of different heights
- TFT color capacitive touch screen (5 inches, 800×480 pels), graphical menu navigation interface, very easy to operate
- Built-in 11 standard program file template, can quickly edit the required files
- Folder management, user can build directory
- The running program and left time can be displayed in real time , allow to edit file when program is running
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need
- Automatic restart after power failure. When power is restored it can continue to run unfinished program.
- Support USB to store and copy PCR data, user can control PCR by USB mouse
- Update software by USB and LAN
- WiFi module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection
- Folder management, user can build directory

PERFORMANCE INDICATORS

Model No.	ELVE-16	ELVE-32G
Capacity	16×0.2ml(4×4 layout)	32×0.2ml(4×8 layout)
Tube	0.2ml single tube	0.2ml single tube, 8 strip
Reaction Volume	5-80ul	5-80ul
Temperature Range	4-100°C	
MAX. Ramp Rate	5°C/s	
Uniformity	≤±0.2°C	
Accuracy	≤±0.2°C	
Display Resolution	0.1°C	
Temperature Control	Block\Tube	
Ramping Rate Adjustable	0.1-5°C	
Gradient Temp. Range	—	30-100°C
Gradient Spread	—	1-30°C
Hot Lid Temperature	30-110°C	
Number of Programs	10000 +(USB FLASH)	
Max. No. of Step	30	
Max. No. of Cycle	100	
Time Increment/Decrement	1 Sec - 600 Sec	
Temp. Increment/Decrement	0.1-10.0°C	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4°C	Forever	
Touchdown Function	Yes	
Long PCR Function	Yes	
Language	English	
Computer Software	Yes	
Mobile phone APP	Yes	
LCD	5 inch, 800×480 pels, 65K color	
Communication	USB2.0 , WIFI	
Dimensions	267mm×190mm×115mm (L×W×H)	
Weight	2.5KG	2.6KG
Power Supply	100-240VAC ,50/60Hz , 120 W	100-240VAC ,50/60Hz , 200 W

