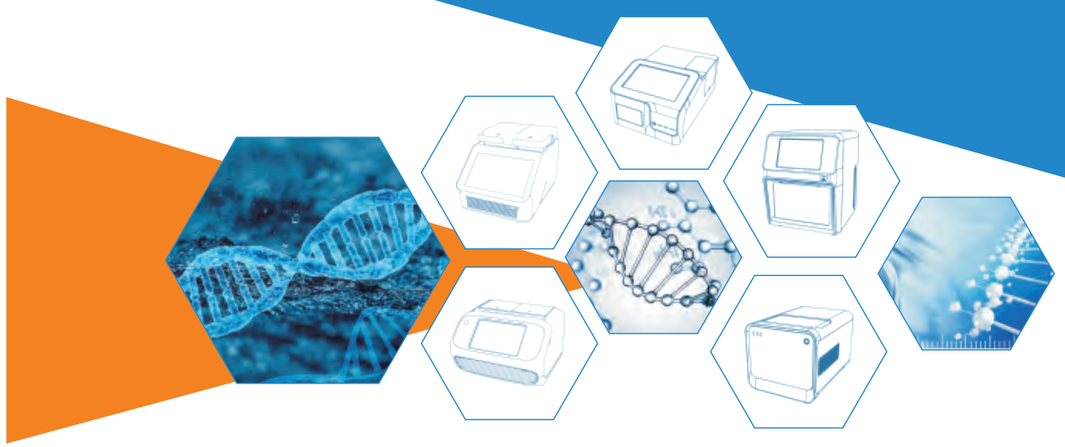
Professional manufacturer
of molecular
biology equipment

PRODUCT
BROCHURE

Integrity Innovation Professional



“MUTUAL BENEFIT AND WIN-WIN”

TABLE OF CONTENTS

BGMR–1000

Microplate Reader

Easy Operation

Convenient And Efficient

NEW ARRIVAL

Product introduction

The BGMR-1000 is an enzyme-linked microplate reader developed by Bio-Gener company. This product uses the principle of optoelectronics to perform enzyme immunization measurement of samples.The detection wavelength is 300-800nm, which is suitable for various applications such as enzyme dynamic research. The instrument can be measured quickly and accurately, with the fastest single wave length of 6 seconds/96 wells, and the double wave length 10 seconds/96 wells. The instrument also comes standard with a linear shock plate function. The type incubation temperature with the incubator can be as high as 50℃. Visualized workflow, simple data analysis and export function can maximize your experience. This product can be widely used in the fields of research, agriculture, animal husbandry, feed companies, food companies and other testing.

PRODUCT FEATURES

- 10.1-inch touch screen, can operate, store, print without external computers
- Panel visualization operation, data displayed completely
- 8-channel optical filter measurement system, you can manually replace the filter
- You can measure the end point method, dynamics, suppression rate, etc.
- Three linear vibration board functions
- The reagent is open and there is no specific restrictions.
- Store standard curve automatically, users can correct the standard curve
- Choose auction of inhalation, cut-off qualitative calculation, single-point fixed standard, folding line regression, linear regression, index return, pair return, double-pair regression, log-logit, power regression, four parameter regression, and other calculation methods
- Provide a variety of printing methods and reports, and can customize various reports
- Layout and import functions, greatly improving the test efficiency.

PERFORMANCE INDICATORS

Model No.	**BGMR-1000**
Light source	**6V10W long life halogen lamp**
wavelength	**300-800nm**
Filter	**Four filters of 405, 450, 492 and 630nm are equipped as standard, and up to eight filters can be loaded**
Filter width	**6-8nm**
Absorbent	**0.000-4.000 OD**
Resolution	**0.001 OD**
Linearity	**The correlation coefficient is greater than 0.999 (0,2.0), and the correlation coefficient is greater than 0.99 (2.0,4.0)**
Wavelength error	**⩽±3nm**
Wavelength repetitiveness	**⩽±1.5nm**
Repetitiveness	**⩽0.3%（0,3.0），⩽2%（3.0,4.0）**
Stability	**⩽0.3%（0,3.0），⩽2%（3.0,4.0）**
Accuracy	**⩽±0.005 OD（0,2.0），⩽±1%（2.0,3.0），⩽±1.5%（3.0,4.0）**
Sensitivity	**sensitivity⩾0.010 OD**
Channel difference	**＜0.01 OD （1.0 OD standard filter）**
Measuring speed	**Single wavelength 6 seconds/96 wells, double wavelength 10 seconds/96 wells**
Vibrating plate	**3 speeds (high, medium, low)**
Temperature range	**RT+5°C-65°C**
Control Method	**10.1 -inch touch screen, embedded software**
Data export	**excel,word**
Print	**Report can be printed (optional USB thermal printer)**
Communication	**A type USBx2，B type USB，Ethernet port,serial port**
Dimension	**300×470×200mm**
Weight	**13KG**

BGNA–32P

Nucleic Acid Purificationn System

Quick Experiment

Touch Screen control

Real–Time Observation

CE

Product introduction

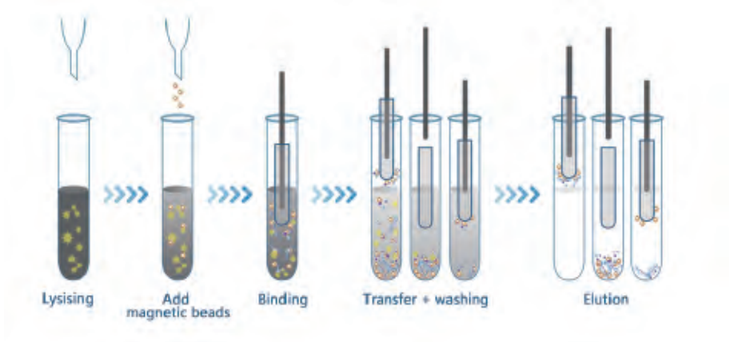
This product is an automatic instrument that can provide safe and efficient nucleic acid extraction and purification for biological laboratories and clinical medicine departments. This product can extract nucleic acids from various samples such as animal and plant tissues, viruses, fungi, bacteria, plasmids, whole blood or cultured cells. It is equipped with multiple safety functions such as door opening protection, UV disinfection, and UV protection from the observation window to ensure the experimental results are safer and more reliable.

PRODUCT FEATURES

- Using high-precision screw to realize the transmission structure, the extraction efficiency is fast, and the nucleic acid yield is high
- Simple and generous appearance, bright and spacious observation window, working conditions are clearly visible
- Use UV light for disinfection to reduce cross-infection and aerosol contamination of samples
- Android operating system, matching 10.1-inch capacitive touch screen, simple and smooth operation
- Real-time display of program progress and remaining time
- Scalable Ethernet remote control
- Adjustable heating mode and vibration gear to meet different experimental needs
- Automatic power-off protection, prompts to continue unfinished program operation after power is restored, to ensure safe operation of the entire extraction/purification process
- Support U disk import/export program, can connect keyboard and mouse
- Fast extraction 10-50 minutes/time (depending on different reagents)

EXTRACTION PRINCIPLE

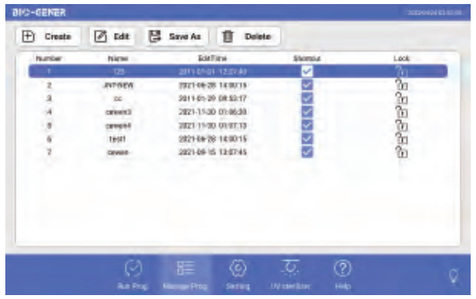
The instrument uses the magnetic bead method for nucleic acid extraction. After the lysis solution lyses the cell tissue sample, the nucleic acid molecules freed from the sample are specifically adsorbed by the magnetic beads, and impurities such as proteins are not adsorbed and remain in the solution. The magnetic beads carrying nucleic acid are adsorbed by a magnetic rod and moved to different reagent tanks. Through repeated rapid stirring and mixing of the liquid, through the steps of cell lysis, nucleic acid adsorption, washing and elution, pure nucleic acid is finally obtained.



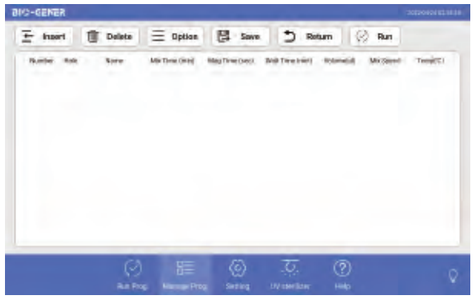
PERFORMANCE INDICATORS

Product Name	Nucleic Acid Purification System
Model No.	BGNA-32P
Throughput	1-32
Process Volume	20-1000ul
Consumable	96 deepwell Plate + Magnetic rod’ s tip
Collection Efficiency	⩾98%
Stability	CV⩽3%
Operation Temp. Range	10℃-40℃
Humidity Range	10%-90%
Heating Temp. Range	+5℃-125℃
Oscillatory mixed mode	Adjustable
Pollution Control	UV light
Lighting	Yes
Safety protection	Auto data protection
Reagent Type	Magnetic bead reagent
Display	10.1 touch screen, Android operation system
Communication	LAN, USB, Wi-Fi
Dimension	430×390×505mm（L×W×H）
Weight	30KG
Power Supply	AC100-240V 50/60Hz 450W

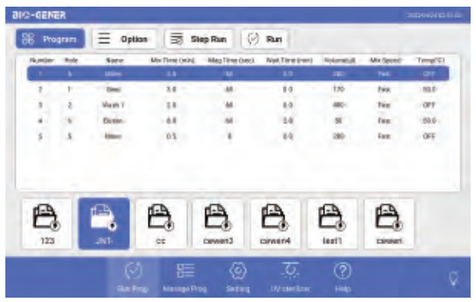
Operation steps



① New



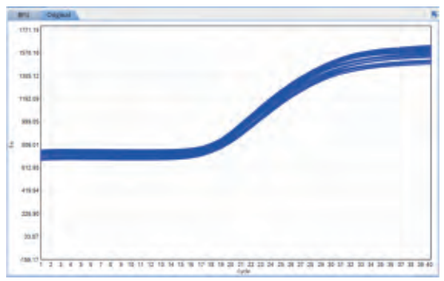
② Edit Program



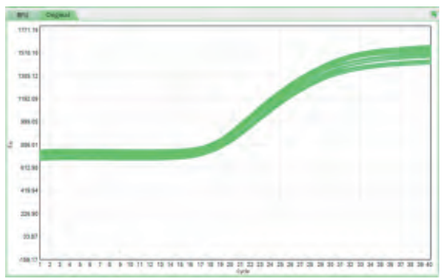
③ Program Running

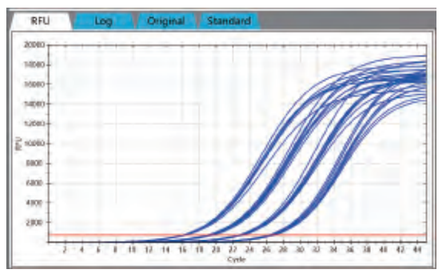
④ UV Disinfection

Example of DNA/RNA extraction

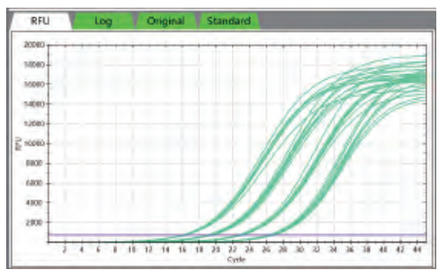


Repeatability





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.

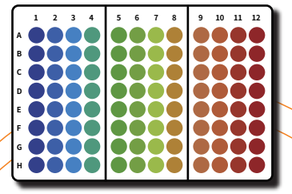
04 Automatic hot lid, which can be used with automated workstations to improve work efficiency.

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

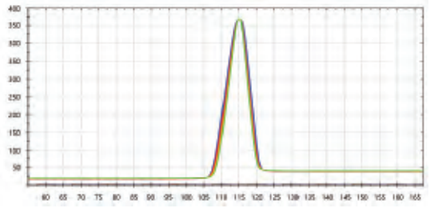


Unique side scan technology,
All channels can be detected
simultaneously,Complete the
scan of all fluorescent channels
of 96 samples within 5S.

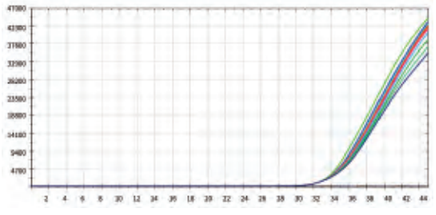
Configure automation hot lid,
Can be used with automation workstation,
Improve work efficiency

Powerful software analysis function

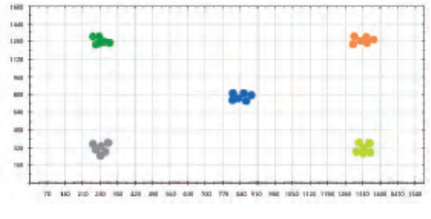
Melting Curve



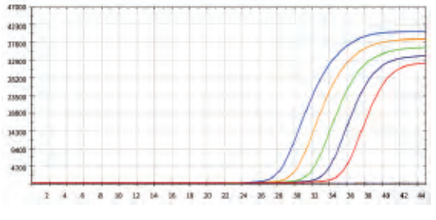
Repeatability



Genotyping



Gradient Linear



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℃(Resolution:0.1℃)		
MAX. Ramp Rate	7.0℃/s		
Temperature fluctuation	±0.1℃		
Uniformity	±0.25℃		
Accuracy	±0.25℃		
Gradient Spreed	1~40℃		
Hot Lid Temperature	30-110℃ (Adjustable, default 105℃)		
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 serie

Real Time PC

Dual Block

One Device Dua

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.

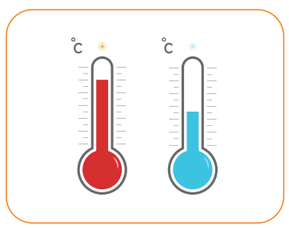
Product introduction

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.

Patented electromagnetic lock technology, preventing the hot lid from accidentally opening

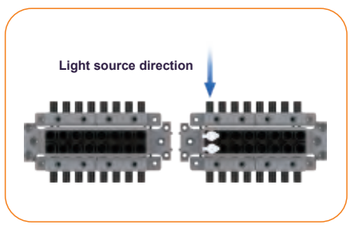
Dual block

Unique dual block design, one machine dual use



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℃(Resolution:0.1℃)			
MAX. Ramp Rate	5℃/s		8℃/s	
Temperature Fluctuation	±0.1℃			
Uniformity	±0.25℃			
Accuracy	±0.25℃			
Hot Lid Temperature	30-110℃ (Adjustable, default 105℃)			
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℃(Resolution:0.1℃)		
MAX. Ramp Rate	6℃/s		7℃/s
Temperature Fluctuation	±0.1℃		
Uniformity	±0.25℃		
Accuracy	±0.25℃		
Hot Lid Temperature	30-110℃ (Adjustable, default 105℃)		
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

CE

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℃(Resolution:0.1℃)	
MAX. Ramp Rate	6℃/s	
Temperature Fiuctuation	±0.1℃	
Uniformity	±0.25℃	
Accuracy	±0.25℃	
Hot Lid Temperature	30-115℃ (Adjustable, default 105℃)	
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	

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℃(Resolution:0.1℃)		
MAX. Ramp Rate	7℃/s		
Temperature Fluctuation	±0.1℃		
Uniformity	±0.25℃		
Accuracy	±0.25℃		
Hot Lid Temperature	30-110℃ (Adjustable, default 105℃)		
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℃(Resolution:0.1℃)	
MAX. Ramp Rate	7℃/s	
Temperature Fluctuation	±0.1℃	
Uniformity	±0.25℃	
Accuracy	±0.25℃	
Hot Lid Temperature	30-110℃ (Adjustable, default 105℃)	
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℃/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℃/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 pepetting 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 skirt96 wells plate**
Reaction Volume	**10-80ul**
Temperature Range	**0-100℃**
MAX. Ramp Rate	**5℃/s**
Uniformity	**≤±0.3℃**
Accuracy	**≤±0.2℃**
Display Resolution	**0.1℃**
Temperature Control	**Block\Tube**
Ramping Rate Adjustable	**0.1-5℃/s**
Gradient Temp. Range	**30-100℃**
Gradient Spread	**1-30℃**
Hot Lid Temperature	**30-110℃**
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℃**
Pause Function	**Yes**
Auto Data Protection	**Yes**
Hold at 4℃	**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 itallows 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℃/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 ℃/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℃	
MAX. Ramp Rate	6℃/s	8℃/s
Uniformity	≤±0.2℃	
Accuracy	≤±0.1℃	
Display Resolution	0.1℃	
Temperature Control	Block\Tube	
Ramping Rate Adjustable	0.01-6℃	0.01-8℃
Gradient Temp. Range	30-105℃	
Gradient Type	Normal/Linear Gradient	
Gradient Spread	1-30℃	
Hot Lid Temperature	30-115℃	
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℃	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4℃	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

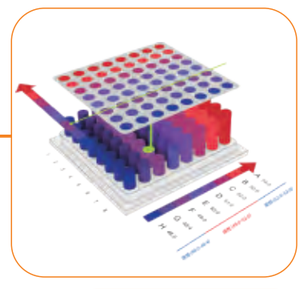
CE

Product introduction

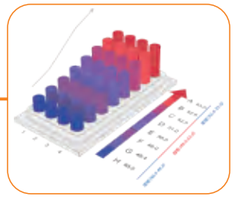
The RePure-D has Android operation system and 10.1 inch capacitive touch screen.2 blocks can run gradient experiments independently; Air channel is in front and back and itallows machine placed side by side. Self-adapting pressure hot lid makes closing lid and tightening lid in one step. It has long service life peltier heating units and max. ramping rate is 8℃/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.

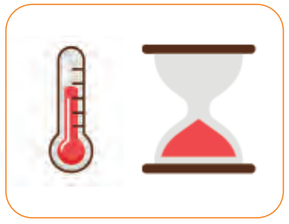


B block

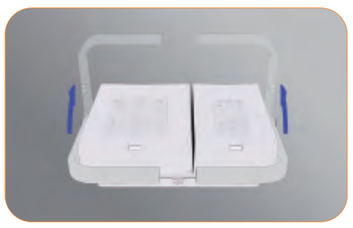


PRODUCT FEATURES

- 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 ℃/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

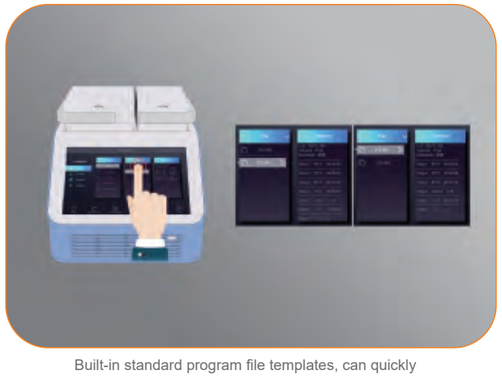


High heating and cooling rate, Max. Ramping rate 8 ℃/s, can save your precious time



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℃			
MAX. Ramp Rate	5℃/s		7.5℃/s	8℃/s
Uniformity	⩽±0.2℃			
Accuracy	⩽±0.1℃			
Display Resolution	0.1℃			
Temperature Control	Block\Tube			
Ramping Rate Adjustable	0.01-5℃		0.01-7.5℃	0.01-8℃
Gradient Temp. Range	30-105℃			
Gradient Type	Normal/Linear Gradient (A BLOCK)	Normal/Linear Gradient (B BLOCK)	Two-Dimensional/ Linear Gradient (A BLOCK)	Normal/Linear Gradient (B BLOCK)	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℃	1-30℃	Horizontal : 1-30℃ Vertical : 1-30℃	1-30℃	1-30℃	1-30℃	Horizontal : 1-30℃ Vertical : 1-30℃	1-30℃
Hot Lid Temperature	30-115℃			
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℃			
Pause Function	Yes			
Auto Data Protection	Yes			
Hold at 4℃	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

CE

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℃/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 ℃/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 skirt96 wells plate, No skirt 96 wells plate		
Reaction Volume	5-100ul	5-100ul	5-30ul	5-100ul		
Temperature Range	0-105℃					
MAX. Ramp Rate	5℃/s	6℃/s	5℃/s	6℃/s	7℃/s	8℃/s
Uniformity	⩽±0.2℃					
Accuracy	⩽±0.1℃					
Display Resolution	0.1℃					
Temperature Control	Block\Tube					
Ramping Rate Adjustable	0.01-5℃	0.01-6℃	0.01-5℃	0.01-6℃	0.01-7℃	0.01-8℃
Gradient Temp. Range	30-105℃					
Gradient Type	Normal/Linear Gradient			Dynamic Gradient	Normal/Linear gradient	Two-Dimensional/ Linear Gradient
Gradient Spread	1-42℃			six zone,each zone is 0.1-5℃	1-42℃	Horizontal : 1-30℃ Vertical : 1-24℃
Hot Lid Temperature	30-115℃					
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℃					
Pause Function	Yes					
Auto Data Protection	Yes					
Hold at 4℃	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 Cyc

Efficient, Economic And Environmental

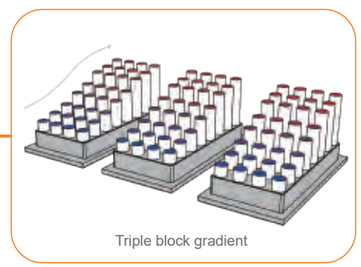
Triple Block

Independent Control

CE

Product introduction

GET3XG thermal cycler uses long service life peltier. Its max. Ramping rate is 5 ℃/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.

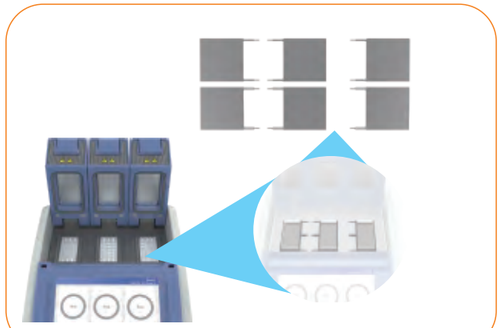


Triple block gradient

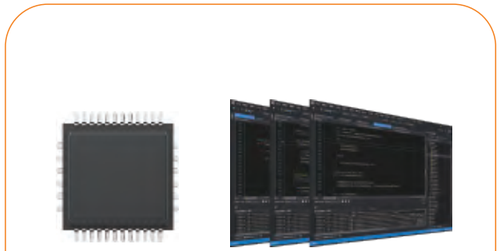
Three blocks run independently
Can run three different programs simultaneously

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 ℃/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℃	
Max Ramp Rate	5℃/s	5℃/s
Uniformity	⩽±0.2℃	⩽±0.2℃
Accuracy	⩽±0.1℃	⩽±0.1℃
Display Resolution	0.1℃	
Temperature Control	Block\ Tube	
Ramping Rate Adjustable	0.1 - 5℃	0.1 - 5℃
Gradient Temp. Range	—	30-105℃
Gradient Spread	—	1-30℃
Hot Lid Temperature	30-115℃	
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℃	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4℃	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	

Product introduction

Gene-Explorer Touch series thermal cycler uses 8pcs customized Marlow(US) peltier. Its max. ramping rate is 5 ℃/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 ℃/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

CE

Product introduction

GET-S series thermal cycler uses long service life peltier. Its max. ramping rate is 4.5 ℃/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℃/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℃			
Heating Ramp Rate	4.5℃/s			
Uniformity	⩽±0.2℃			
Accuracy	⩽±0.1℃			
Display Resolution	0.1℃			
Temperature Control	Block\ Tube			
Ramping Rate Adjustable	0.1 - 4.5℃			
Gradient Uniformity	⩽±0.2℃			
Gradient Accuracy	⩽±0.2℃			
Gradient Temp. Range	30-105℃			
Gradient Spread	1-30℃			
Hot Lid Temperature	30-115℃			
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℃			
Pause Function	Yes			
Auto Data Protection	Yes			
Hold at 4℃	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			

GE4T series

IN-SITU Thermal Cycler

Used For In Situ Hybridization Or Gene Chip Experiments

Accept Customaztion Of Different Chip Specifications

Product introduction

GE4T IN-SITU thermal cycler uses long service life peltier. Its max. ramping rate is 4 ℃/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 ℃/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℃**
Max Ramp Rate	**4℃/s**
Uniformity	**≤±0.2℃**
Accuracy	**≤±0.1℃**
Display Resolution	**0.1℃**
Temperature Control	**Block\ Tube**
Ramping Rate Adjustable	**0.1 - 4℃**
Hot Lid Temperature	**30-115℃**
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℃**
Pause Function	**Yes**
Auto Data Protection	**Yes**
Hold at 4℃	**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**

ELVE series

Thermal Cycler

Android System,Teaching Version And Vehicle Version Are Available

CE

Product introduction

ELVE series thermal cycler uses long service life peltier. Its max. Ramping rate is 5 ℃/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 ℃/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℃	
MAX. Ramp Rate	5℃/s	
Uniformity	⩽±0.2℃	
Accuracy	⩽±0.2℃	
Display Resolution	0.1℃	
Temperature Control	Block\Tube	
Ramping Rate Adjustable	0.1-5℃	
Gradient Temp. Range	——	30-100℃
Gradient Spread	——	1-30℃
Hot Lid Temperature	30-110℃	
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℃	
Pause Function	Yes	
Auto Data Protection	Yes	
Hold at 4℃	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

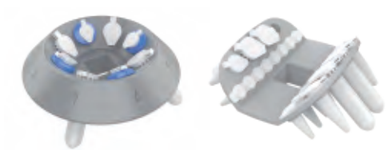
·Instruments & Consumables·

Centrifuge
Mini Dry Bath
Thermo Shaker
iCellBox
Pipette

MC-10K
Centrifuge

Product introduction

The mini centrifuge of Bio-Gener Technology uses the principle of centrifugal sedimentation to separate, concentrate and purify particles with different densities in the solution. This instrument is equipped with a special rotor for PCR, which can be used for experiments such as microcentrifugation, cell separation, and rapid separation from the test tube. This product is small in size, stylish in appearance,convenient and fast in operation, and excellent in various performance indicators. The machine includes a host and accessories, in which the host is composed of shell, drive system and control system.



Multiple rotors, wide applications

Small size, exquisite appearance

ROTOR PARAMETERS

Rotor	Capacity combination
Rotor 1	8 × 2.0ml, 8 × 0.5ml,8 × 1.5ml (with 0.5ml adapter) and other combinations
Rotor 2	0.5ml × 8, 0.2ml × 24, 0.2ml*8 × 4, 0.2ml*8 × 2 +0.5ml × 8+0.2ml × 8 and other combinations

MC-10K Centrifuge

PRODUCT FEATURES

- The centrifuge has high rotation speed, good centrifugal effect, and the rotation speed is adjustable (4000rpm-10000rpm), which is easy to operate
- With special shock absorption design, the running noise is small
- The centrifugation time is adjustable from 0.5min to 99min
- Fully transparent upper cover, user-friendly switch design, stop immediately after opening the cover
- Equipped with multiple rotors, suitable for 2.0ml, 1.5ml, 0.5ml, 0.2ml and other centrifuge tubes, special rotor chuck design
- The rotor can be easily installed and replaced, and the configured composite rotor can easily cope with the combined use of various centrifuge tubes. One machine has multiple uses to meet a variety of collocation scenarios
- With the design concept of sturdiness and durability, the instrument has a long service life

BASIC PARAMETERS

Model No.	**MC-10K**
Size	**210×170×138 mm (L × W ×H)**
Power	**⩽50W**
Speed	**10000 rpm**
Rotor	**8×2.0ml**
Max. RCF	**5000g**
Weight	**1.30 kg**
Accuracy	**±1%**
Relative Deviation	**⩽2.5%**
Temperature Rise	**⩽10°C**
Noise	**⩽55dB**

MD-10 series
Mini Dry Bath

Product introduction

Bio-Gener Technology MD-10 series mini dry bath is a new product combining microcomputer control and semiconductor refrigeration technology. Protein denaturation treatment, PCR reaction, pre-denaturation of electrophoresis and serum coagulation, etc. It c an be widely used in the constant temperature storage of reagents and samples, the rapid change reaction of various enzymes and reaction solutions, the denaturation of nucleic acids and proteins, the PCR reaction, the pre-denaturation of electrophoresis, and the coagulation of serum. The instrument can be configured with a variety of modules, and the host consists of a chassis, a block, a drive system, and a control system.

PRODUCT FEATURES

2 **Powerful functions**
with cooling and heating functions, fast ramp rate

1 **The instrument is small**
saving experimental space

3 **Easy to carry**
vehicle power supply is available,suitable for outdoor environment

4 **12V DC power input**
built-in multiple protection functions

5 **Built-in temperature deviation calibration function**
high temperature control accuracy

6 **A variety of modules can be customized to**
meet a variety of test tube

7 **Designed with sturdiness and durability**
it has a long service life

MD-10 series Mini Dry Bath

PRODUCT FEATURES

- The instrument is small, saving experimental space
- Powerful functions, with cooling and heating functions, fast ramp rate
- Easy to carry, vehicle power supply is available, suitable for outdoor environment
- 12V DC power input, built-in multiple protection functions
- Built-in temperature deviation calibration function, high temperature control accuracy
- A variety of modules can be customized to meet a variety of test tube
- Designed with sturdiness and durability, it has a long service life

PERFORMANCE INDICATORS

Product Name	Mini Dry Bath	
Model No.	MD-10C	MD-10H
Block	0.2ml*40、0.5ml*24、1.5ml*15、2.0ml*15、Cuvette*8、15ml*4、50ml*2	
Temperature Range	RT -15℃-100℃	RT +5℃-100℃
Timing range	1min-999min or 1 sec - 999 sec	
Program	9 (Each step 3)	
Max No. of cycler	99	
Auto data protection	Yes	
Temp. stability	±0.3℃	
Display accuracy	0.1℃	
Uniformity	±0.3℃	
Heating time(25 to 100°C)	≤20min	≤20min
Cooling time 1 (100 to 25°C)	≤20min	/
Cooling time 2 (RT to -15°C)	≤20min	/
Relative humidity	≤70%	
input power	DC 12V	
Power	60W	
Dimension	158mmx116mmx121mm (L× W× H)	
Weight	1.1kg	0.6kg

TS-300 series
Thermo Shaker

Product introduction

TS-300 series thermo shaker Combines multiple functional such as cooling, heating and shaking to mix samples in a variety of PCR tubes, deep well plates and microplates. The TS-300 series integrates multiple product advantages, making it an ideal instrument for incubating, catalyzing, mixing and preserving biological and chemical samples.

PRODUCT FEATURES

- The instrument is equipped with 3 standard modules, and a variety of module types can be customized
- With timing function, there will be alert when time out
- DC brushless motor drive, low noise, long life, maintenance-free
- LCD display, showing real-time temperature and speed information
- Using the metal module, the temperature uniformity is high, and the replacement is convenient
- The instrument temperature is fast, uniform heating, accurate temperature control, and high stability
- Users can independently turn off or turn on the constant temperature, oscillation and timing functions to improve the equipment utilization
- Automatic power-off protection function, continue to run original program after power on

The instrument comes with three standard modules, and customized modules are available.

TECHNICAL PARAMETERS

Model No.	TS-300C	TS-300H
Display	5inch color TFT touch screen	5inch color TFT touch screen
Speed	50～2000rpm	50～2000rpm
Mixing orbit	3mm	3mm
Temperature control range	0℃～105℃	RT+5℃～105℃
Display accuracy	0.1℃	0.1℃
Temp. control accuracy	±0.5℃	±0.5℃
Temp. uniformity	±0.5℃	±0.5℃
Time setting	1s-99h59min	1s-99h59min
Heating time	≤15min（20℃～30℃）	≤15min（20℃～30℃）
Cooling time (temperature≤25℃)	≤15min (Temp ≤20℃:20℃～0℃) ≤15min (Temp ≤25℃:RT～4℃) ≤15min (Temp. ≤30℃:RT～10℃)	/
Heating rate gear	MAX, 3℃/min, 2℃/min, 1℃/min, 0.1℃/min	MAX, 3℃/min, 2℃/min, 1℃/min, 0.1℃/min
Cooling rate gear	MAX, 1℃/min, 0.5℃/min, 0.1℃/min	/
No. Of program	1000	1000
Communication	USB2.0	USB2.0
Ambient temperature	5℃～30℃	5℃～30℃
humidity	≤70%	≤70%
Power	100-240VAC,50/60HZ,200W	100-240VAC,50/60HZ,200W
Fuse	250V 2.5A Φ5×20	250V 2.5A Φ5×20
Dimension(mm)	305x200x145（host）	305x200x145（host）
Weight	10.0KG（include TS 96PCR module）	9.5KG（include TS 96PCR module）
Certification	CE	CE

MODULE PARAMETERS

Model No.	TS 0.5ml	TS 1.5ml	TS 2ml	TS 0.5ml+1.5ml		TS 5ml	TS 12mm	TS Dcg
Capacity	60x0.5ml tube	35x1.5ml tube	35x2ml tube	15x0.5ml+20x1.5ml tube		24x5ml tube	24xΦ12mm tube	24x1.5ml/2ml frozen storage tube
Max Speed	1500rpm	1500rpm	1500rpm	1500rpm		1000rpm	1500rpm	1500rpm
Model	TS 15ml	TS 50ml	TS Wk0.2	TS Wk 2	TS 96PCR	TS 384PCR	TS 500	TS 1000
Capacity	12x15ml Falcon tube	6x50ml Falcon tube	96x0.2ml microplate	96x2ml deepwell plate	96x0.2ml PCR plate	384 PCR microplate	96/500ul deepwell plate	96/1000ul deepwell plate
Max Speed	1000rpm	1000rpm	1800rpm	1000rpm	1800rpm	2000rpm	1500rpm	1500rpm

ICellBox

The iCellBox, in combination with a –80℃ freezer or dry ice locker, will provide the freezing rate of –1 degree per minute that is idea for cryo–preservation of most cultured cell lines. The iCellBox design uses a combination of insulation foam, radial symmetry, and a heat transfer core to regulate heat loss rather than using a large thermal mass(alcohol based freezer). As a result, freezing profiles are extremely consistent from one run to the next. Also, because of this low thermal mass, the iCellBox will not cause a rise in local freezer temperature and will protect nearby samples already stored in the freezer. Low thermal mass also means the iCellBox will rapidly return to room temperature for another freezing cycler. The iCellBox may be used with a wide variety of commercially available cryogenic storage vials.

Specification

Order No.	Model No.	Specification	Size (cm)	Weight	Color
1020001	ICB–12	12x1ml or 12x2ml	Φ11.8x10	112g	Purple, orange,green

Advantage

iCellBox	Isopropyl alcohol filled container
	
No alcohol ● Consistent freeze rate for each ● The solid state core and insulation design ● No Pre–cooling required	**Requires 250ml alcohol** ● Alcohol degrades slightly each time when it's ● Keep track of liquid scale for use ● Alcohol degrades slightly each time when it's used ● Pre–cool alcoholin refrigerator
No Variability ● Consistent freeze rate for each ● Consistent freezing rate for all vials	**Inconsistent freeze rate** ● Each run is slightly different due to alcohol degradation ● Two Circles of wells–different freeze rates foreach circle
No on–going cost ● No need to change anything ● Buy one time, use long time	**$338/year maintenance per unit** ● Change alcohol weekly(~$6/wk) ● Dispose has waste(~$0.75/wk) ● 10 units =$3,380 maintenance cost every year
No Stuck lids ● Always easy to open the lid ● Buy one time, use long time the –80℃ freezer	**Protective glove required** ● Screw cap very difficult to remove when frozer ● Protective glove required when handling frozen unit
Better cell viability	**Good cell viability**
Quick re–use time ● oready to use again in 5 minutes	**Slow re–use time** ● Takes >1 hour for device to return to room temp for re–use
Low impact on freezer ● 1/3 the heat impact on freezer compared to alcohol–filled units	**Large thermal mass impacts local freezer area** ● Large heat capacity removed from alcohol impacts nearby samples