BIO-GENER®

Welcome to inquiry, if you want to be our regional partner!!

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BIO-GENER®

BIO-GENER
PRODUCT BROCHURE

Professional manufacturer of molecular biology equipment

Practicality Truth Innovation Collaboration

BIO-GENER®

Practicality Truth Innovation Collaboration

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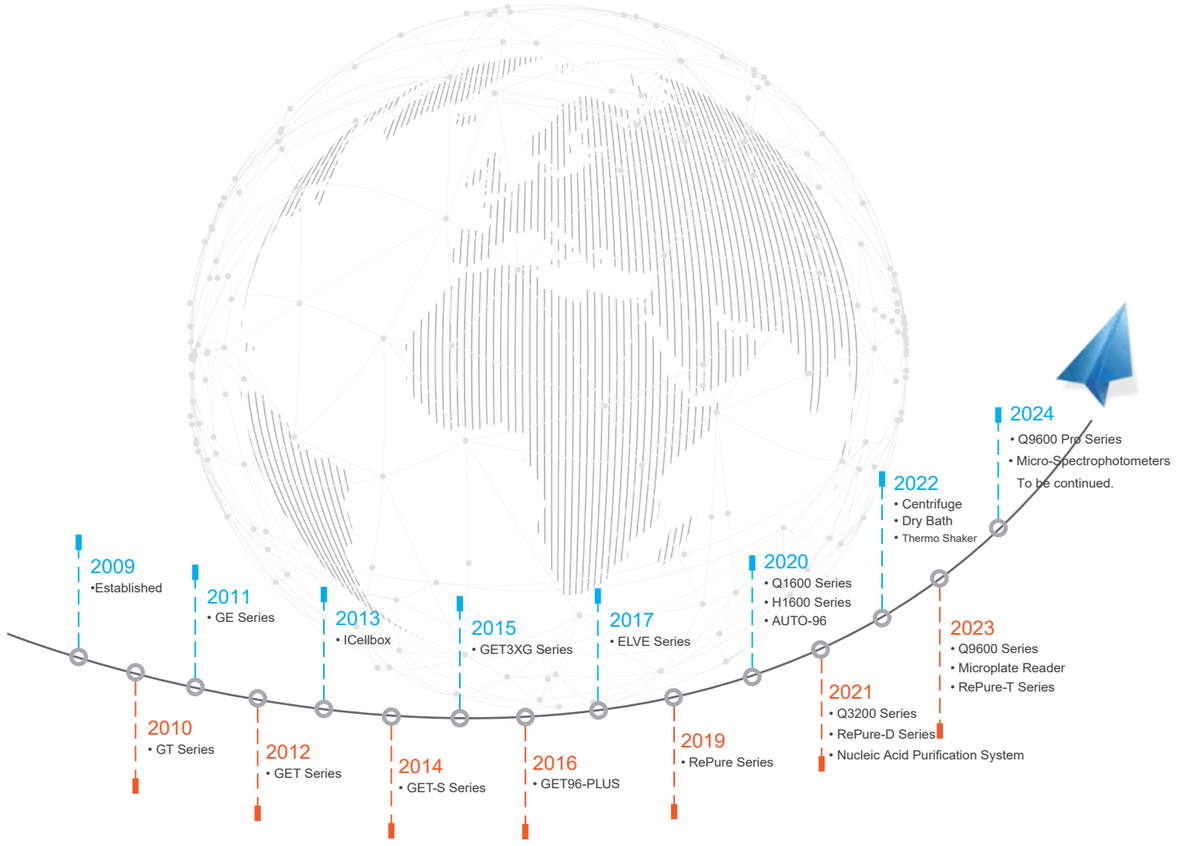
About Us

Hangzhou Bio-Gener Technology Co., Ltd., founded in 2009, is a high-tech enterprise professionally engaged in the R&D, production, sales and service. The main products include Micro-Spectrophotometers, Nucleic acid purification system, Real-time PCR instrument, Isothermal amplification system, Gradient PCR thermal cycler, Microplate reader, mini dry bath, Thermo shaker and related products.

The company adheres to the consistent quality policy: quality creates brand, brand promotes development, innovation wins the future. Hangzhou Bio-Gener Technology strictly controls the quality, actively expands the brand to create more perfect products, more professional team, more advanced technology. To serve users, build brand image, and promote the development of the industry with the awareness that starts with the product and not only ends with the product.

Milestones



National High and New Technology Enterprise Certificate

SMEs Specializing in Provincial Expertise and Innovation

Provincial High-Tech Enterprise R&D Center

Medical device production license

ISO9001 Certificate

ISO13485 Certificate

Patent Certificate

CE Certification

Bio-Gener obtained the Hangzhou High-tech Enterprise Certification in 2014, the National High-tech Enterprise Certification in 2022, and SMEs Specializing in Provincial Expertise and Innovation certification in 2023. It also has 1S09001 and 1S013485 certification. There are more than 40 invention patents and utility model patents, and the PCR instrument products have obtained EU CE certification.

Applications

Scientific Research

Genetic testing

In vitro test

Pet Medical care

Crop breeding

Food safety

Cooperating Organizations

BIO-GENER Genetic Testing Solution

Sample Preservation

ICellBox

Sample Pre-treatment

Pipette

Thermo Shaker

Centrifuge

Nucleic Acid Purification System

Micro-Spectrophotometers

PCR Detection

Fluorescence Detection

Q9600 Pro Series

Q9600 Series

Q3200 Series

Q1600 Series

H1600 Series

Q8800/H8800 Series

Gene Amplification

RePure-T Series

RePure-D Series

RePure Series

AUTO-96

GET3XG Series

GE-TOUCH Series

GET-S Series

ELVE Series

Establishment
16 Years

Selling Country
100+

Certificate
40+

Products
70+

Sales
31000+

Partners
25000+

Why Choose Us ?

1/ Focus on the R&D of molecular biology equipment

Bio-gener specializes in the production and distribution of high-quality research tools for scientists and researchers worldwide. With our extensive expertise and cutting-edge technologies, we offer a wide range of products, including Microplate Reader, Nucleic Acid Purification System, Real-time PCR System, Gradient PCR Thermal Cycler, and related products.

2/ Innovation

Bio-gener focuses on differentiation in product research and development, and is committed to providing customers with the most advanced scientific solutions, launching innovative products and technologies to meet the ever-changing scientific needs.

3/ Technology leadership

Bio-gener is committed to continuously expanding its main business market and providing customers with the most advanced technology solutions to ensure the cutting-edge and innovative nature of its products.

4/ Market reputation

Bio-gener has a good reputation in the market and has gained recognition and trust from the industry, the market and peers, which provides a reliable guarantee for customer selection.

5/ Professional after-sales team

Bio-gener has an experienced and professional after-sales team that can provide customers with professional technical support and after-sales service.

Products

BIO-GENER®

BGNANO-600 Series
Micro-Spectrophotometers

Rapid testing

Easy operation

Feature

1. 7-inch capacitive TFT screen, multi-touch, intuitive interface, simple operation.
2. It has its own automatic detection function, which significantly improves the detection efficiency.
3. With high-precision motor drive, the accuracy of the optical path reaches 0.001mm, and the absorbance detection repeatability is high.
4. The sample volume required for the test is only 0.5 to 2ul, and it can be recovered after the measurement.
5. It has dual-channel fluorescence detection function, high sensitivity and good linearity.
6. OD600 function with stirring and heating function can detect the growth of bacteria, microorganisms, etc.

Adopting Android operating system, 7-inch capacitive touch screen, no need for computer online.

Rapid and accurate detection of nucleic acids, proteins and cellular solutions with 0.5-2ul of sample.

Equipped with OD600 optical path detection system, fluorometer function, convenient for bacteria, microorganisms and other culture solution concentration detection.

Parameters

Model/Specification				
Name	Micro-Spectrophotometers			
Model No.	BGNANO-601	BGNANO-602	BGNANO-603	BGNANO-604
Volume	0.5ul-2ul			
Dimension	318×210×188mm（L×W×H）			
Weight	4.85kg	4.7kg		4.5kg
Optical Performance				
Optical Path	0.03mm, 0.05mm, 0.1mm, 0.2mm, 1mm			
Light Source	Xenon flash lamp/number of flashes ＞10^9			
Detector Type	2048 pixel linear array CCD			
Wavelength Range	190nm-850nm			
Accuracy	±1nm			
Performance Parameters				
Spectral Resolution	≤3nm（FWHM@Hg253.7nm）			
Absorption Precision	0.002Abs（1mm optical path）			
Absorption Accuracy	±1%（7.332Abs absorbance @ 260nm）			
Absorbance Range	0.04-750（at 260nm wavelength, equivalent to 10mm optical path）			
Concentration Range	2ng/ul dsDNA-37500ng/ul dsDNA			
Detection Time	＜6s			
OD600				
Light Source	Single color LED	/	Single color LED	/
Absorbance Range	0-4.000Abs	/	0-4.000Abs	/
Absorbance Stability	(0,3) ≤0.5%, (3,4) ≤1.5%	/	(0,3) ≤0.5%, (3,4) ≤1.5%	/
Repeatability	(0,3) ≤0.5%, (3,4) ≤1.5%	/	(0,3) ≤0.5%, (3,4) ≤1.5%	/
Absorption Accuracy	(0,2) ≤0.005A, (2,3) ≤1%, (3,4) ≤2%	/	(0,2) ≤0.005A, (2,3) ≤1%, (3,4) ≤2%	/
Heating Temperature	37°C±0.5°C	/	37°C±0.5°C	/
Stirring Speed	12 adjustable speeds, 100-1200rpm	/	12 adjustable speeds, 100-1200rpm	/
Fluorescence Detection				
Sample Volume	≥50ul (0.5ml PCR Tube)		/	
Detection Time	4s		/	
Detection Channel	2 channel		/	
Repeatability	＜1.5%		/	
Stability	＜1.5%		/	
Linearity	R^2 ≥0.995		/	
Light Source	Single color LED		/	
Excitation Wavelength	470nm,624nm		/	
Emission Wavelength	525nm,692nm		/	
Other Performance				
Printing	Built-in thermal printer			
Communication	USB2.0 x2			
Date Export Formats	xls, csv, txt, jpg, png			
Experimental Data	＞10,000			
Input Voltage	DC12V 5A			
Power Supply	60W			

BIO-GENER®

BGMR-2000

Full-wavelength Microplate Reader

simple and easy to operate

intelligent voice (computing)

Products

BGMR-2000 is a full-wavelength Microplate reader developed by Hangzhou Bio-Gener Technology Co., Ltd., with a detection wavelength of 200-1000nm. The instrument can complete the measurement quickly and accurately, with a measurement speed of: fast <8 seconds, accurate <28 seconds. The instrument also comes standard with a linear shock plate function. The type incubation temperature with the incubator can be as high as 85℃. 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.

Feature

1. Wide wavelength range 200-1000nm, 1nm step grating monochromator, precise control of detection wavelength.
2. You can measure the end point method, dynamics, suppression rate, etc.
3. Supports 96-well and 384-well plates, which can effectively save time and sample usage.
4. It has cuvette and fluorometer functions to adapt to different experimental scenarios.
5. Combining AI with scientific research, it has many special functions such as voice control, voice interaction, code scanning, face recognition, etc., bringing a new experience to users.
6. The high-resolution 10.1-inch capacitive touch screen is easy and smooth to operate, and the screen angle can be freely adjusted by voice control or buttons.

Parameters

Model/Specification	
Name	Full-wavelength Microplate Reader
Model No.	BGMR-2000
Plate	96-well and 384-well
Dimension	318×450×265（L×W×H）
Weight	22kg
Optical System	
Light Source	Xenon lamp, flashes up to 10^9
Wavelength	200-1000nm
Counting Range	0-4 OD
Optical System	Grating monochromator (1nm step)
Detection System	PD
Performance Parameters	
Accuracy @450	≤±2nm
Repeatability	≤0.2nm
Linear @450	R^2 >0.995(0.0-3.0)
Accuracy @450	± (0.005Abs) , (0 - 2.0Abs]　± 0.3% , (2.0 - 3.0Abs]　± 2.0% , (3.0 - 4.0Abs]
Repeatability @450	CV<0.5%
Control Range	RT+5℃-85℃
Temp. Accuracy	±0.5℃@37℃
Temp. Uniformity	±0.5℃@37℃
Cuvette	
Light Source	Xenon lamp, flashes up to 10^9
Absorbance Range	0- 4.000Abs
Absorbance Stability	(0，3)≤0.5%，(3，4)≤1.5%
Absorbance Repeatability	(0，3)≤0.5%，(3，4)≤1.5%
Absorbance Accuracy	(0，2)≤0.005A，(2，3)≤1%，(3，4)≤2%
Fluorometer	
Detection Channel	2 channel
Repeatability	＜1.5%
Stability	＜1.5%
Linearity	R^2 ≥0.995
Light Source	Single Color LED
Excitation Wavelength	(470nm/624nm)
Emission Wavelength	(525nm/692nm)
Other Performance	
Control Method	10.1” touch screen, embedded software
Vibration plate	3 speeds (high, medium, low)
Measuring Speed	Fast <8 seconds, accurate <28 seconds
Communication	A type USB x 2, B type USB, Ethernet port
Storage Capacity	16G, >20,000 data
Print	Thermal printer (optional)
Voice Function	Yes
Scanning Code Function	Yes
Screen Angle	Adjustable from 0° to 90°
Facial Recognition	Yes
Power Supply	DC15V, 17A, 255W

BIO-GENER®

BGMR-1000 Series

Microplate Reader

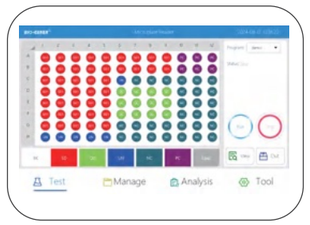
Easy Operation

Convenient and Efficient

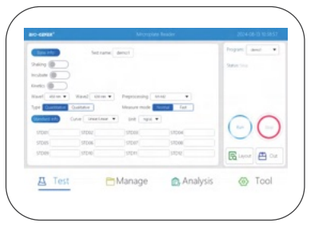
Feature

1. 10.1-inch touch screen, can operate, store, print without external computers
2. 8-channel optical filter measurement system, you can manually replace the filter
3. You can measure the end point method, dynamics, suppression rate, etc
4. Panel visualization operation, data displayed completely
5. Up to 100 preset test items, greatly improving the testing efficiency of commonly used items.
6. Using the principle of optoelectronics to perform enzyme immunization measurement of samples

Interface



Setting Interface



Test Setting Interface

Data Analysis Interface

Parameters

Model/Specification		
Model No.	BGMR-1000	BGMR-1000S
Dimension	300×470×200mm	
Weight	13kg	
Optical System		
Light Source	6V10W long life halogen lamp	
Wavelength	340-750nm	400-750nm
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	
Performance Parameters		
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)	
Other Performance		
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℃-85℃	/
Control Method	10.1 -inch touch screen, embedded software	
Data Export	excel, txt, pdf, xls	
Print	Report can be printed (optional USB thermal printer)	
Communication	A type USBx2, B type USB, Ethernet port, Serial Port	

BGNA-32P

Nucleic Acid Purification System

Quick Experiment

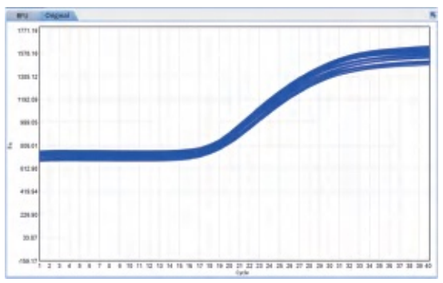
Real-Time Observation

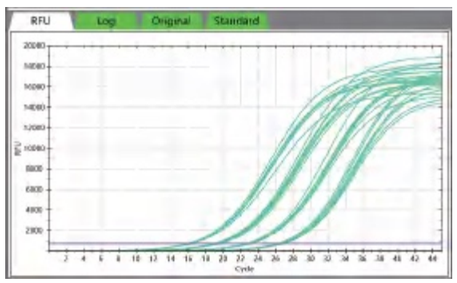
CE

Feature

1. Using high-precision screw to realize the transmission structure, the extraction efficiency is fast, and the nucleic acid yield is high
2. Simple and generous appearance, bright and spacious observation window, working conditions are clearly visible
3. Use UV light for disinfection to reduce cross-infection and aerosol contamination of samples
4. Android operating system, matching 10.1-inch capacitive touch screen, simple and smooth operation
5. Real-time display of program progress and remaining time
6. Adjustable heating mode and vibration gear to meet different experimental needs
7. Automatic power-off protection, to ensure safe operation of the entire extraction/purification process
8. Fast extraction 15-50 minutes/time (depending on different reagents)

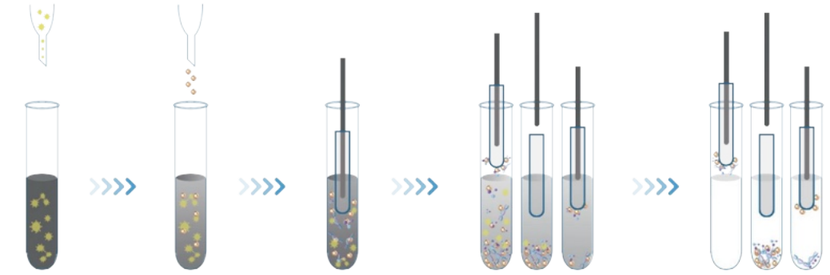
Example of DNA/RNA Extraction





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.



Parameters

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	Megnetic bead reagent
Display	10.1 touch screen, Android operation system
Communication	LAN, USB, Wi-Fi
Dimension	430×390×505(L×W×H)
Weight	30KG
Power Supply	AC100-240V, 50Hz/60Hz, 450W

BIO-GENER®

Q9600 Pro Series

Real Time PCR

Experimental Fast

Simple Operation

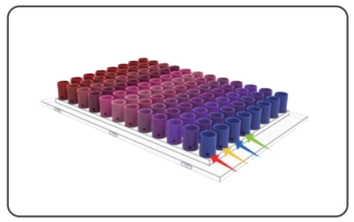
CE

Feature

1. With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions, and can be run offline
2. Up to 100 projects can be preset, and it is convenient and fast to run frequently used projects with one click.
3. With temperature gradient function, 12 rows of gradient temperature settings can be realized at a time.
4. Maximum ramping rate 8℃/s, saving the test time.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. Strong fluorescence signal, low background noise and high sensitivity.

12.1" retractable LCD touch screen, the screen angle can be adjusted

Configure automation hot lid, can be used with automation workstation, improve work efficiency



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

Parameters

Model/Specification			
Model No.	Q9602 Pro	Q9604 Pro	Q9606 Pro
Sample Capacity	96 well, 12×8 strip, 96×0.2ml single tube		
Formats	0.2ml tube, 0.2ml 8-tube strips, 0.2ml 96 well plate		
Reaction Volume	10-100ul		
Temperature Control Performance			
Temperature Range	0-100℃		
MAX. Ramp Rate	8℃		
Temp. Fluctuation	≤±0.1℃		
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Gradient Spreed	0.1-42℃		
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）		
Temperature Control	Block/Tube		
Optical Performance			
Excitation Wavelength	300-810nm		
Emission Wavelength	500-810nm		
Detection Channel	2channel	4channel	6channel
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/YELLOW	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5 F5:Cy5.5 F6: CY3
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10 ^{9}Copies		
Sensitivity	1 copy		
Control System			
Lid Operation	Automatic hot lid		
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, standard curve, allele identification, temperature gradient function, etc.		
Data Management	Audit Trail System		
Operation System	Win7,Win10,Win11		
Remote Monitoring	Can connected to laboratory management system		
Automation Platform	Can be used with automated workstations		
Date Export Formats	xls, csv, txt, pdf, jpg		
Printing	Report can be printed directly		
Control Method	12.1-inch retractable LCD touch screen control or connect to computer control		
Communication	USB2.0，RS232		
Other Performance			
Dimension	520×350×330mm(L×W×H)		
Weight	32KG		
Voltage	100-220VAC，50-60Hz		
Power	1500W		

Q9600 Series

Real Time PCR

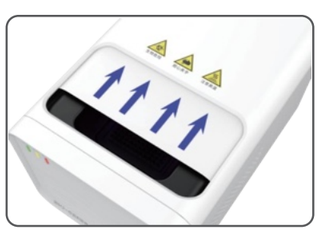
Experimental fast

powerful

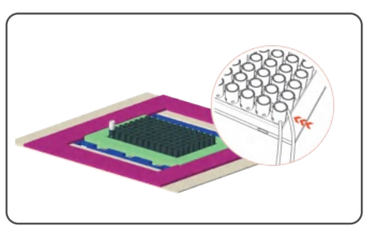
CE

Feature

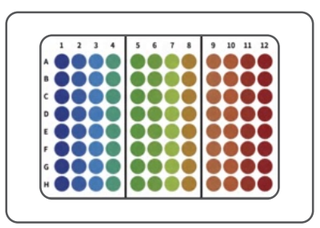
1. Powerful software analysis functions can perform qualitative/ quantitative analysis, HRM, genotyping and etc.
2. Automatic hot lid, which can be used with automated workstations to improve work efficiency.
3. PC operation, a computer can control multiple instruments.
4. Maximum ramping rate 8℃/s, saving the test time.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. Strong fluorescence signal, low background noise and high sensitivity.



Configure automation hot lid, can be used with automation workstation, improve work efficiency



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



Three temperature zones control, good temperature repeatability and high accuracy

Parameters

Model/Specification			
Model No.	Q9602	Q9604	Q9606
Sample Capacity	96 well, 12x8 strip, 96x0.2ml single tube		
Formats	0.2ml tube, 0.2ml 8-tube strips, 0.2ml half skirts 96 well plate/ no skirts 96 well plate		
Reaction Volume	10-100ul		
Temperature Control Performance			
Temperature Range	0-105℃		
MAX. Ramp Rate	8℃		
Temp. Fluctuation	≤±0.1℃		
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Gradient Spreed	0.1-42℃		
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）		
Temperature Control	Block/Tube		
Optical Performance			
Excitation Wavelength	300-810nm		
Emission Wavelength	500-810nm		
Detection Channel	2channel	4channel	6channel
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/YELLOW	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5 F5:Cy5.5 F6: CY3
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10^{10} Copies		
Sensitivity	1 copy		
Control System			
Lid Operation	Automatic hot lid		
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, standard curve, allele identification, temperature gradient function, etc.		
Data Management	Audit Trail System		
Operation System	Win7,Win10,Win11		
Remote Monitoring	Can connected to laboratory management system		
Automation Platform	Can be used with automated workstations		
Date Export Formats	excel, csv, txt, pdf, jpg		
Printing	Report can be printed directly		
Control Method	PC control, one pc control several devices		
Communication	USB2.0, RS232		
Other Performance			
Dimension	495×350×330mm(L×W×H)		
Weight	29KG		
Voltage	100-240VAC，50-60Hz		
Power	1500W		

Q3200 Series

Real Time PCR

Dual Block

Rapid Test

CE

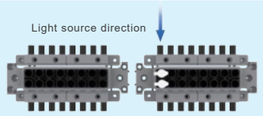
CE-IVDR

Feature

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

1. Four channels and double 16-well blocks design, can run two different programs at the same time.
2. Forward and backward air vent design, can be placed side by side, saving laboratory space.
3. Small size, light weight, easy to carry.
4. Powerful software analysis function, which can be used for quantitative analysis, melting curve analysis, genotyping, relative quantification, and etc.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. The electromagnetic lock cover technology prevents the hot lid from accidentally opening.

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



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

Parameters

Model/Specification				
Model No.	Q3202	Q3204	Q3202-F	Q3204-F
Sample Capacity	32×0.2ml(4×8well, dual block)			
Formats	Clear 0.2 ml PCR tube /8-tube strips			
Reaction Volume	15-100μl			
Temperature Control Performance				
Temperature Control Technology	Marlow customized Peltier allow 1, 000, 000 cycles			
Temperature Range	0-100℃			
MAX. Ramp Rate	5℃		8℃	
Temp. Fluctuation	≤±0.1℃			
Uniformity	≤±0.25℃			
Accuracy	≤±0.25℃			
Hot Lid Temperature	30℃-115℃(Adjustable, default 105℃)			
Temperature Control	Block/Tube			
Optical Performance				
Excitation Wavelength	300-800nm			
Emission Wavelength	500-800nm			
Factory Calibrated Dyes	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET F3: ROX/TEXAS-RED F4: CY5/CY5.5/LC RED	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET F3: ROX/TEXAS-RED F4: CY5/CY5.5/LC RED
Excitation	Long life LED			
Detection	High sensitivity photoelectric detector			
Dynamic Range	1-10^{10} Copies			
Sensitivity	1 copy			
Control System				
Feature Function	Quantitative/qualitative analysis, Relative quantitative, Melting curve, Genotyping			
Date Export Formats	xls, csv, txt, pdf, jpg			
Printing	Report can be printed (optional USB thermal printer)			
Control Method	7 inch color TFT touch screen, can be connected to computer control			
Communication	USB 2.0/ WIFI			
Other Performance				
Dimension	300×267×198mm(L×W×H)			
Net Weight	8KG		11KG	
Voltage	220VAC，50Hz			
Power	DC15V 255W		DC27.5V 600W	

Q1600 Series
Real Time PCR

One Device Dual Uses

Powerful Function

CE

CE-IVDR

Feature

1. Four channels and double 8-well blocks design, can run two different programs at the same time.
2. Built-in software analysis function for qualitative/quantitative analysis.
3. Front shutdown button makes file data more secure.
4. 20G flash memory can save 40,000 experimental data.
5. Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable.
6. The electromagnetic lock cover technology prevents the hot lid from accidentally opening.

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

Unique dual block design, one machine dual use.

Parameters

Model/Specification			
Model No.	Q1601	Q1602	Q1604-F
Sample Capacity	16x0.2ml(2x8well, dual block)		
Formats	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15-100μl		
Temperature Control Performance			
Temperature Control Technology	Marlow customized Peltier allow 1, 000, 000 cycles		
Temperature Range	0-100℃		
MAX. Ramp Rate	6℃		7℃
Temp. Fluctuation	≤±0.1℃		
Uniformity	≤±0.25℃		
Accuracy	≤±0.25℃		
Hot Lid Temperature	30℃-115℃(Adjustable, default 105℃)		
Temperature Control	Block/Tube		
Optical Performance			
Excitation Wavelength	300-800nm		
Emission Wavelength	500-800nm		
Factory Calibrated Dyes	F1:FAM/SYBR Green I	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET	F1:FAM/SYBR Green I F2:HEX/VIC/JOE/TET F3: ROX/TEXAS-RED F4: CY5/CY5.5/LC RED
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	$1\text{-}10^{10}$ Copies		
Sensitivity	1 copy		
Control System			
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping		
Date Export Formats	xls, csv, txt, pdf, jpg		
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/USB 2.0		
Other Performance			
Dimension	300×267×198mm(L×W×H)		
Net Weight	8KG		
Voltage	220VAC，50Hz		
Power	DC15V 255W		

H1600 Series

Isothermal Amplification System

Touch Screen Operation

Simple Operation

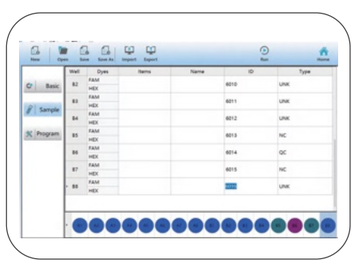
CE

Feature

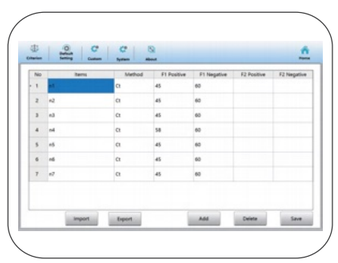
1. Double channels and double 8-well blocks design, can run two different programs at the same time.
2. Forward and backward air vent design, can be placed side by side, saving laboratory space.
3. Black reaction block to avoid background noise.
4. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
5. LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
6. The electromagnetic lock cover technology prevents the hot lid from accidentally opening.

Interface

Homepage Interface



Setting Interface



Judgment Interface

Parameters

Model/Specification		
Model No.	H1601	H1602
Sample Capacity	16x0.2ml(2x8well, dual block)	
Formats	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100μl	
Temperature Control Performance		
Temperature Control Technology	Marlow customized Peltier allow 1, 000, 000 cycles	
Temperature Range	0-100℃	
MAX. Ramp Rate	6℃	
Temp. Fluctuation	≤±0.1℃	
Uniformity	≤±0.25℃	
Accuracy	≤±0.25℃	
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）	
Temperature Control	Block/Tube	
Optical Performance		
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1:FAM/SYBR Green I	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	
Control System		
Feature Function	Quantitative/qualitative analysis	
Date Export Formats	xls, csv, txt, pdf, jpg	
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/USB 2.0	
Other Performance		
Dimension	300×267×198mm(L×W×H)	
Net Weight	8KG	
Voltage	220VAC，50Hz	
Power	DC15V 255W	

Q8800 Series

Super Mini Real Time PCR

Small Size

Powerful Function

CE

Products

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.

Feature

1. Small size, light weight, easy to carry.
2. Adopting side scan technology, the detection distance is short, and the fluorescence collection signal is stable.
3. Black reaction block to avoid background noise.
4. Powerful software analysis function, which can perform quantitative analysis, melting curve analysis, genotyping, etc.
5. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
6. Forward and backward air vent design, can be placed side by side, saving laboratory space.

Parameters

Model/Specification			
Model No.	Q8801	Q8802	Q8804
Sample Capacity	8×0.2ml (8 well)		
Formats	Clear 0.2 ml PCR tube /8-tube strips		
Reaction Volume	15-100μl		
Temperature Control Performance			
Temperature Control Technology	Marlow customized Peltier allow 1, 000, 000 cycles		
Temperature Range	0-100℃		
MAX. Ramp Rate	7℃		
Temp. Fluctuation	≤±0.1℃		
Uniformity	≤±0.25℃		
Accuracy	≤±0.25℃		
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）		
Temperature Control	Block/Tube		
Optical Performance			
Excitation Wavelength	300-800nm		
Emission Wavelength	500-800nm		
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green I	F1: FAM/SYBR-Green/EVA-Green I F2: HEX/VIC/JOE/TET/CY3/YELLOW	F1: FAM/SYBR-Green/EVA-Green I F2: HEX/VIC/JOE/TET/CY3/YELLOW F3: ROX/Texas Red F4: Cy5
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1-10^{10} Copies		
Sensitivity	1 copy		
Control System			
Feature Function	Quantitative/qualitative analysis, Melting curve, Genotyping		
Date Export Formats	xls, csv, txt, pdf, jpg		
Communication	WIFI/USB 2.0		
Other Performance			
Dimension	195×165×140mm(L×W×H)		
Net Weight	3KG		
Voltage	220VAC，50Hz		
Power	DC15V 150W		

H8800 Series

Super Mini Isothermal Amplification System

Small Design

Portable

CE

Products

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.

Feature

1. Small size, light weight, easy to carry.
2. Adopting side scan technology, the detection distance is close, and the fluorescence acquisition signal is stable.
3. Black reaction block to avoid background noise.
4. It has the protection functions of over-current, over temperature, power-off data self recovery, etc.
5. Constant current control circuit makes power output smooth and extends Peltier life, also improves temperature control accuracy.
6. Forward and backward air vent design, can be placed side by side, saving laboratory space.

Parameters

Model/Specification		
Model No.	H8801	H8802
Sample Capacity	8×0.2ml (8 well)	
Formats	Clear 0.2 ml PCR tube /8-tube strips	
Reaction Volume	15-100μl	
Temperature Control Performance		
Temperature Control Technology	Marlow customized Peltier allow 1, 000, 000 cycles	
Temperature Range	0-100℃	
MAX. Ramp Rate	7℃	
Temp. Fluctuation	≤±0.1℃	
Uniformity	≤±0.25℃	
Accuracy	≤±0.25℃	
Hot Lid Temperature	30℃-115℃（Adjustable, default 105℃）	
Temperature Control	Block/Tube	
Optical Performance		
Excitation Wavelength	300-600nm	
Emission Wavelength	500-700nm	
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green I	F1: FAM/SYBR-Green/EVA-Green I F2: HEX/VIC/JOE/TET/CY3/YELLOW
Excitation	Long life LED	
Detection	High sensitivity photoelectric detector	
Dynamic Range	1-10^{10} Copies	
Sensitivity	1 copy	
Control System		
Feature Function	Quantitative/qualitative analysis	
Date Export Formats	xls, csv, txt, pdf, jpg	
Communication	WIFI/USB 2.0	
Other Performance		
Dimension	195×165×140mm(L×W×H)	
Net Weight	3KG	
Voltage	220VAC，50Hz	
Power	DC15V 150W	

RePure-T Series

Triple Gradient PCR Thermal Cycler

Rapid Experiment

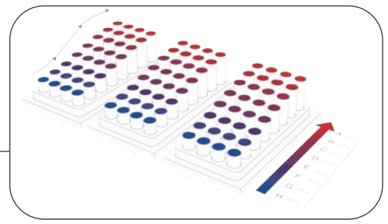
Triple Block Design

CE

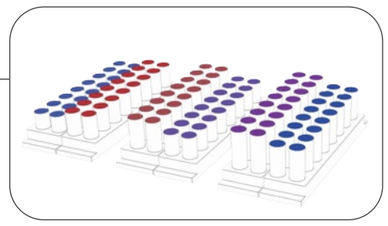
Feature

1. Long service life Peltier heating units.
2. Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance.
3. Self-adapting pressure hot lid makes closing lid and tightening lid in one step.
4. The running program and left time can be displayed in real time , allow to edit file when program is running.
5. Email notification after experiment is over.
6. WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.

Triple blocks can run 3 gradient experiments independently



Three groups of independent modules, each group can be freely set 2 temperatures



Parameters

Model/Specification			
Model No.	RePure-T	RePure-T (G)	RePure-T (F)
Capacity	3×32×0.2ml	3×(16×2×0.2ml)	3×32×0.2ml
Formats	0.2ml tube, 8 strips		
Reaction Volume	5-120ul	5-100ul	5-120ul
Temperature Performance			
Temperature Range	0-105℃		
MAX.Ramp Rate	6℃/s	7.5℃/s	9.5℃/s
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Display Resolution	0.1℃		
Temperature Control	Block/Tube		
Ramping Rate Adjustable	0.01-6℃/s	0.01-7.5℃/s	0.01-9.5℃/s
Hold at 4℃	Forever		
Gradient Performance			
Gradient Temp. Range	30-105℃		
Gradient Type	Normal/Linear	Dynamic	Normal/Linear
Gradient Spread	0.1-30℃	Two independent temp. zones per block,each zone is 0.1-25℃	0.1-30℃
Hot Lid Function			
Hot Lid Temperature	30-115℃		
Software Function			
Number of Programs	200,000+(USB FLASH)		
Max. No. of Step	40(Multiple nested PCR experiments)		
Max. No. of Cycle	200(Up to 100,000 in nested cycles)		
Time Increment/ Decrement	1s-600s，Long PCR is available		
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available		
Pause Function	Yes		
Auto Data Protection	Yes		
Temperature Curve	Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view		
GLP Report	Record the running information of each step of the program, and can export CSV, PDF format report		
File Encryption Function	Individual program files can be encrypted		
User Management Privilege	Three levels of access (administrator, user, guest)		
Email Notification	Email notification after experiment is over		
Lock Screen Function	Prevents accidental termination of the program being experimented on		
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments		
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments		
Other Performance			
Communication	USB 2.0, WIFI		
Dimensions	385mm×270mm×255mm(L×W×H)		
Weight	11kg		
Power Supply	100-240VAC, 50/60Hz, 600W		100-240VAC, 50/60Hz, 1200W

BIO-GENER®

RePure-D Series

Dual Block Two Dimensional Gradient PCR Thermal Cycler

Dual Block

Experimental Fast

CE

Feature

1. Long service life Peltier heating units.
2. High heating and cooling rate, max. ramping rate 9.5℃/s, can save your experiment time.
3. Double blocks design,the types of gradients include normal gradients, linear gradients and two dimensional gradient.
4. Air channel is in front and back and it allows machine placed side by side.
5. Hot lid temperature is adjustable to meet different experiment's need.
6. Wifi unit is built in and user can control many units of PCR through mobile App.

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

B Block can be set up with normal gradients and linear gradients.

Parameters

Model/Specification				
Model No.	RePure-D(B)	RePure-D	RePure-D（F）	RePure-D（P）
Capacity	64×0.2ml (A Block) + 32×0.2ml (B Block)			
Formats	0.2ml tube, 0.2ml 8 strips			
Reaction Volume	5-120ul			
Temperature Performance				
Temperature Range	0-105℃			
MAX.Ramp Rate	6℃/s		9.5℃/s	
Uniformity	⩽±0.2℃			
Accuracy	⩽±0.1℃			
Display Resolution	0.1℃			
Temperature Control	Block/Tube			
Ramping Rate Adjustable	0.01-6℃/s		0.01-9.5℃/s	
Hold at 4℃	Forever			

Gradient Performance								
Gradient Temp. Range	30-105℃							
Gradient Type	Normal/Linear (A Block)	Normal/Linear (B Block)	Normal/Linear/2D (A Block)	Normal/Linear (B Block)	Normal/Linear (A Block)	Normal/Linear (B Block)	Normal/Linear/2D (A Block)	Normal/Linear (B Block)
Gradient Spread	0.1-30℃	0.1-30℃	Horizontal: 0.1-30℃ Vertical: 0.1-30℃	0.1-30℃	0.1-30℃	0.1-30℃	Horizontal: 0.1-30℃ Vertical: 0.1-30℃	0.1-30℃

Hot Lid Function				
Hot Lid Temperature	30-115℃			

Software Function		
Number of Programs	200,000+(USB FLASH)	
Max. No. of Step	40(Multiple nested PCR experiments)	
Max. No. of Cycle	200(Up to 100,000 in nested cycles)	
Time Increment/ Decrement	1s-600s， Long PCR is available	
Temp. Increment/ Decrement	0.1-10.0°℃， Touchdown PCR is available	
Pause Function	Yes	
Auto Data Protection	Yes	
Temperature Curve	Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view	
GLP Report	Record the running information of each step of the program, and can export CSV, PDF format report	
File Encryption Function	Individual program files can be encrypted	
User Management Privilege	Three levels of access (administrator, user, guest)	
Email Notification	Email notification after experiment is over	
Lock Screen Function	Prevents accidental termination of the program being experimented on	
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments	
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments	

Other Performance		
Communication	USB 2.0, WIFI	
Dimensions	385mm×270mm×255mm(L×W×H)	
Weight	11kg	18kg
Power Supply	100-240VAC, 50/60Hz, 600W	100-240VAC, 50/60Hz, 1200W

BIO-GENER®

RePure Series

Gradient PCR Thermal Cycler

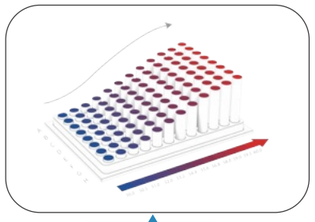
Quick Experiment

Multiple Gradient Functions

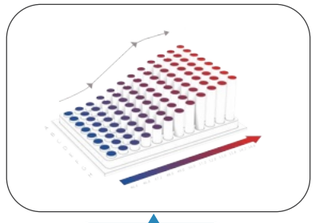
CE

Feature

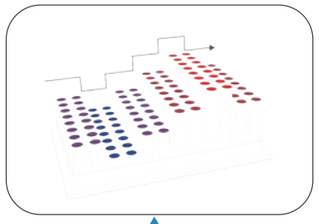
1. Long service life Peltier heating units.
2. High heating and cooling rate, max. Ramping rate 9.5℃/s, can save your precious time.
3. Gradient types are normal gradient, linear gradient, dynamic gradient, and two dimensional gradient.
4. Air channel is in front and back and it allows machine placed side by side.
5. Hot lid temperature is adjustable to meet different experiment's need.
6. WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.



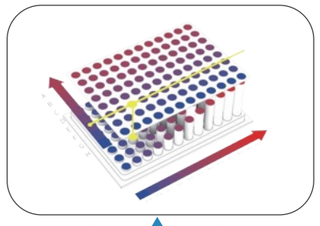
Normal



Linear



Dynamic



Two Dimensional

Parameters

Model/Specification						
Model No.	RePure-A	RePure-A(F)	RePure-A(384)	RePure-B	RePure-F	RePure-C
Capacity	96×0.2ml		384well	6×16×0.2ml	96×0.2ml	
Formats	0.2ml tube, 8 strips,12 strips, Half skirt 96 wells plate, No skirt 96 wells plate	0.2ml tube, 8 strips,12 strips, 96 wells plate	384 PCR microplate	0.2ml tube, 8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate		
Reaction Volume	5-100ul		5-30ul	5-100ul		
Temperature Performance						
Temperature Range	0-105℃					
MAX.Ramp Rate	6℃/s	7℃/s	5℃/s	6℃/s	8℃/s	9.5℃/s
Uniformity	≤±0.2℃					
Accuracy	≤±0.1℃					
Display Resolution	0.1℃					
Temperature Control	Block/Tube					
Ramping Rate Adjustable	0.01-6℃/s	0.01-7℃/s	0.01-5℃/s	0.01-6℃/s	0.01-8℃/s	0.01-9.5℃/s
Hold at 4℃	Forever					
Gradient Performance						
Gradient Temp. Range	30-105℃					
Gradient Type	Normal/Linear			Dynamic	Normal/Linear/2D	Normal/Linear/2D
Gradient Spread	0.1-42℃			Six zone, each zone is 0.1-5℃	Horizontal:0.1-42℃ Vertical:0.1-30℃	Horizontal:0.1-42℃ Vertical:0.1-30℃
Hot Lid Function						
Hot Lid Temperature	30-115℃					

Software Function				
Number of Programs	200,000+(USB FLASH)			
Max. No. of Step	30(Multiple nested PCR experiments)		40(Multiple nested PCR experiments)	
Max. No. of Cycle	200(Up to 100,000 in nested cycles)			
Time Increment/ Decrement	1s-600s，Long PCR is available			
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available			
Pause Function	Yes			
Auto Data Protection	Yes			
Temperature Curve	Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view			
GLP Report	Record the running information of each step of the program, and can export CSV, PDF format report			
File Encryption Function	Individual program files can be encrypted			
User Management Privilege	Three levels of access (administrator, user, guest)			
Email Notification	Email notification after experiment is over			
Lock Screen Function	Prevents accidental termination of the program being experimented on			
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments			
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments			
Other Performance				
Communication	USB 2.0,WIFI			
Dimensions	385mm×270mm×255mm(L×W×H)			
Weight	10kg			
Power Supply	100-240VAC, 50/60Hz, 600W	100-240VAC, 50/60Hz, 750W	100-240VAC, 50/60Hz, 600W	100-240VAC, 50/60Hz, 1200W

GET3XG Series

Triple Block Thermal Cycler

Triple Block

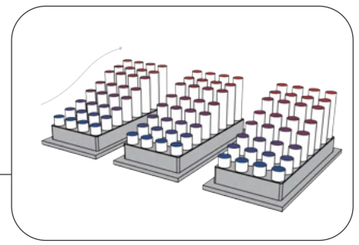
Independent Control

CE

Feature

1. 6 long service life Peltier heating units and form 3 circuits to control 3 temperature zones.
2. High heating and cooling rate, max. ramping rate 5℃/s, can save your precious time.
3. 3 blocks independently controlled and can run 3 different PCR gradient programs simultaneously.
4. Automatic restart after power failure. When power is restored it can continue to run unfinished program.
5. WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.
6. Email notification after experiment is over.

Triple block gradient



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

Parameters

Model/Specification		
Model No.	GET3X(General)	GET3XG (Gradient)
Capacity	3×(32×0.2ml)	
Formats	0.1/0.2ml, 8 strips	
Reaction Volume	5-120ul	
Temperature Performance		
Temperature Range	0-105℃	
MAX. Ramp Rate	5℃/s	
Uniformity	⩽±0.2℃	
Accuracy	⩽±0.1℃	
Display Resolution	0.1℃	
Temperature Control	Block/Tube	
Ramping Rate Adjustable	0.01-5℃/s	
Hold at 4℃	Forever	
Gradient Performance		
Gradient Temp. Range	/	30-105℃
Gradient Spread	/	0.1-30℃
Hot Lid Function		
Hot Lid Temperature	30-115℃	
Hot Lid Height Adjustable	Stepless Adjustable	
Software Function		
Number of Programs	200,000+(USB FLASH)	
Max. No. of Step	30(Multiple nested PCR experiments)	
Max. No. of Cycle	200(Up to 100,000 in nested cycles)	
Time Increment/ Decrement	1s-600s，Long PCR is available	
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available	
Pause Function	Yes	
Auto Data Protection	Yes	
GLP Report	Record the running information of each step of the program to provide accurate data support for the analysis of experimental results	
File Encryption Function	Individual program files can be encrypted	
User Management Privilege	Three levels of access (administrator, user, guest)	
Email Notification	Email notification after experiment is over	
Lock Screen Function	Prevents accidental termination of the program being experimented on	
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments	
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments	
Other Performance		
LCD	8 inch, 800x600 Pixels	
Communication	USB 2.0, LAN, WIFI	
Dimensions	390mm×270mm×255mm(L×W×H)	
Weight	9kg	
Power Supply	100-240VAC, 50/60Hz, 600W	

BIO-GENER®

GE-TOUCH Series
Thermal Cycler

Powerful

Up To 18 Blocks Can Be Choosen

CE

Feature

1. 8 pcs long service life Peltier heating units and form 4 circuits to control 4 temperature zones and allow double block gradient function.
2. GLP report records every step to provide accurate data support for experiment result analysis.
3. Multiple blocks can be replaced. When dual block are selected, it can run 2 different PCR programs simultaneously.
4. The running program and left time can be displayed in real time , allow to edit file when program is running.
5. Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software.
6. Email notification after experiment is over.

Reinforced aluminum module with anodizing technology can keep rapid heating-conducting property and have enough corrosion resistance

GE4852T Block

Large data storage capacity,
up to 200, 000 files can be stored

Parameters

Model/Specification			
Model No.	GE9612T	GE4852T	GE4832T
Capacity	96×0.2ml	Double 48×0.2ml	48×0.2ml＋30×0.5ml
Formats	0.1/0.2ml tube, 8 strips,12 strips, Half skirt 96 wells plate,No skirt 96 wells plate	0.1/0.2ml tube，8 strips	0.1/0.2ml tube, 8 strips, 0.5ml tube
Reaction Volume	5-120ul		Left block 5-120ul, Right block 5-200ul
Temperature Performance			
Temperature Range	0-105℃		
MAX. Ramp Rate	5℃/s		
Uniformity	≤±0.2℃		
Accuracy	≤±0.1℃		
Display Resolution	0.1℃		
Temperature Control	Block/Tube		
Ramping Rate Adjustable	0.01-5℃/s		
Hold at 4℃	Forever		
Gradient Performance			
Gradient Uniformity	≤±0.2℃		
Gradient Accuracy	≤±0.2℃		
Gradient Temp. Range	30-105℃		
Gradient Spread	0.1-30℃	0.1-30℃	Left block：0.1-30℃ Right block：0.1-30℃
Hot Lid Function			
Hot Lid Temperature	30-115℃		
Hot Lid Height Adjustable	Stepless Adjustable		
Software Function			
Number of Programs	200,000+(USB FLASH)		
Max. No. of Step	30(Multiple nested PCR experiments)		
Max. No. of Cycle	200(Up to 100,000 in nested cycles)		
Time Increment/ Decrement	1s-600s，Long PCR is available		
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available		
Pause Function	Yes		
Auto Data Protection	Yes		
GLP Report	Record the running information of each step of the program to provide accurate data support for the analysis of experimental results		
File Encryption Function	Individual program files can be encrypted		
User Management Privilege	Three levels of access (administrator, user, guest)		
Email Notification	Email notification after experiment is over		
Lock Screen Function	Prevents accidental termination of the program being experimented on		
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments		
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments		
Other Performance			
Communication	USB 2.0, LAN, WIFI		
Dimensions	390mm×270mm×255mm(L×W×H)		
Weight	9kg		

BIO-GENER®

GET-S Series
Thermal Cycler

Convenient

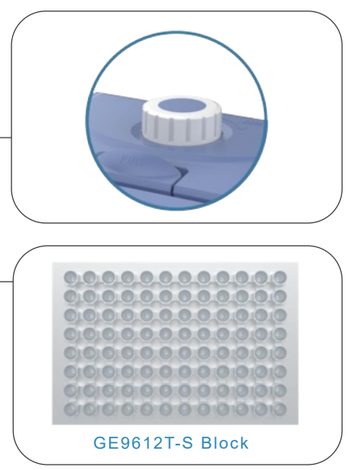
Intelligent Economic

CE

Feature

1. Six pieces of long service life Peltier heating units and form 3 circuits to control 3 temperature zones.
2. 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.
3. The running program and left time can be displayed in real time , allow to edit file when program is running.
4. Hot lid temperature and hot lid work mode can be set to meet different experiment’s need.
5. Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software.
6. Email notification after experiment is over.

Stepless adjustable hot lid, fit tubes of different heights to avoid tube melt and evaporation



GE9612T-S Block

Parameters

Model/Specification				
Model No.	GE9612T-S	GE9632T-S	GE6022T-S	GE3842T-S
Capacity	96×0.2ml	96×0.2ml＋77×0.5ml	60×0.5ml	384well
Formats	0.1/0.2ml tube, 8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate	0.1/0.2/0.5ml，8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate	0.5ml tube	384 well plate
Reaction Volume	5-120ul	5-80ul，5-120ul	5-200ul	5-30ul
Temperature Performance				
Temperature Range	0-105℃			
MAX. Ramp Rate	4.5℃/s			
Uniformity	≤±0.2℃			
Accuracy	≤±0.1℃			
Display Resolution	0.1℃			
Temperature Control	Block/Tube			
Ramping Rate Adjustable	0.01-4.5℃/s			
Hold at 4℃	Forever			
Gradient Performance				
Gradient Uniformity	≤±0.2℃			
Gradient Accuracy	≤±0.2℃			
Gradient Temp. Range	30-105℃			
Gradient Spread	0.1-30℃		0.1-30℃	0.1-30℃
Hot Lid Function				
Hot Lid Temperature	30-115℃			
Hot Lid Height Adjustable	Stepless Adjustable			
Software Function				
Number of Programs	200,000+(USB FLASH)			
Max. No. of Step	30(Multiple nested PCR experiments)			
Max. No. of Cycle	200(Up to 100,000 in nested cycles)			
Time Increment/ Decrement	1s-600s，Long PCR is available			
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available			
Pause Function	Yes			
Auto Data Protection	Yes			
GLP Report	Record the running information of each step of the program to provide accurate data support for the analysis of experimental results			
File Encryption Function	Individual program files can be encrypted			
User Management Privilege	Three levels of access (administrator, user, guest)			
Email Notification	Email notification after experiment is over			
Lock Screen Function	Prevents accidental termination of the program being experimented on			
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments			
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments			
Other Performance				
Communication	USB 2.0, LAN, WIFI			
Dimensions	390mm×270mm×255mm(L×W×H)			
Weight	9kg			

GE4T

IN-SITU Thermal Cycler

Used For In Situ Hybridization Or Gene Chip Experiments

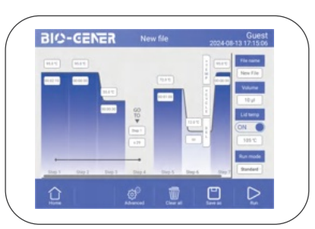
Accept Customaztion Of Different Chip Specifications

CE

Feature

1. Six pieces of long service life Peltier heating units and form 3 circuits to control 3 temperature zones.
2. Reinforced aluminum module with anodizing technology can keep rapidheating-conducting property and have enough corrosion resist.
3. The running program and left time can be displayed in real time , allow to edit file when program is running.
4. Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software.
5. GLP report records every step to provide accurate data support for experiment result analysis.
6. Email notification after experiment is over.

Interface



Setting Interface

File Interface

Incubation Interface

Parameters

Model/Specification	
Model No.	GE4T
Capacity	120×80mm
Temperature Performance	
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	0.01-4℃/s
Hold at 4℃	Forever
Hot Lid Function	
Hot Lid Temperature	30-115℃
Hot Lid Height Adjustable	Stepless Adjustable
Software Function	
Number of Programs	200,000+(USB FLASH)
Max. No. of Step	30(Multiple nested PCR experiments)
Max. No. of Cycle	200(Up to 100,000 in nested cycles)
Time Increment/ Decrement	1s-600s，Long PCR is available
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available
Pause Function	Yes
Auto Data Protection	Yes
GLP Report	Record the running information of each step of the program to provide accurate data support for the analysis of experimental results
File Encryption Function	Individual program files can be encrypted
User Management Privilege	Three levels of access (administrator, user, guest)
Email Notification	Email notification after experiment is over
Lock Screen Function	Prevents accidental termination of the program being experimented on
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments
Other Performance	
LCD	8 inch, 800x600 Pixels
Communication	USB 2.0, LAN, WIFI
Dimensions	390mm×270mm×255mm(L×W×H)
Weight	9kg
Power Supply	100-240VAC, 50/60Hz, 600W

BIO-GENER®

ELVE Series
Thermal Cycler

Android System,Teaching Version And Vehicle Version Are Available

CE

Products

ELVE series thermal cycler uses long service life peltier. Its Max. ramping rate is 5℃/s and cycle times is more than 1,000,000. 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.

Feature

1. Long service life Peltier heating units.
2. Scalable hot lid fits tubes of different heights.
3. The running program and left time can be displayed in real time , allow to edit file when program is running.
4. Automatic restart after power failure. When power is restored it can continue to run unfinished program.
5. Built-in WIFI module, one machine can control multiple PCR machines at the same time through mobile APP or PC software.
6. Email notification after experiment is over.

Parameters

Model/Specification		
Model No.	ELVE-16	ELVE-32G
Capacity	16×0.2ml(4×4 layout)	32×0.2ml(4×8 layout)
Formats	0.2ml single tube	0.2ml single tube, 8 strip
Reaction Volume	5-80ul	
Temperature Performance		
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℃/s	
Hold at 4℃	Forever	
Gradient Performance		
Gradient Temp. Range	/	30-100℃
Gradient Spread	/	0.1-30℃
Hot Lid Function		
Hot Lid Temperature	30-110℃	
Software Function		
Number of Programs	10,000+(USB FLASH)	
Max. No. of Step	30	
Max. No. of Cycle	100	
Time Increment/ Decrement	1s-600s，Long PCR is available	
Temp. Increment/ Decrement	0.1-10.0°℃，Touchdown PCR is available	
Pause Function	Yes	
Auto Data Protection	Yes	
Touchdown Function	Yes	
Long PCR Function	Yes	
Computer Software	Yes	
Mobile phone APP	Yes	
Other Performance		
LCD	5 inch, 800x480 Pixels	
Communication	USB 2.0，WIFI	
Dimensions	267mm×190mm×115mm(L×W×H)	
Weight	2.5kg	2.6kg
Power Supply	100-240VAC, 50/60Hz, 120W	100-240VAC, 50/60Hz, 200W

AUTO-96
Thermal Cycler

Accept Personalized Customization

Can Be Equipped With Desktop Pipetting Station

CE

Feature

1. Adopt imported customized long-life Peltier heating units, and cycle time is more than 1,000,000.
2. High heating and cooling rate, max ramping rate is 5℃/s, can save your precious time.
3. Electric Self-adapting hot lid can fit full 96 wells plate and half skirt 96 wells plate.
4. Small size, can be equipped with desktop pepetting station.
5. 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.
6. Support opening hot lid and adding samples during the experiment to meet various experimental needs.

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.

The reinforced aluminum block treated by anodizing technology not only retains fast thermal conductivity, but also has sufficient corrosion resistance.

Parameters

Model/Specification	
Model No.	AUTO-96
Capacity	96×0.1/0.2ml
Formats	Full 96 wells plate
Reaction Volume	10-80ul
Temperature Performance	
Temp. Range	0-100℃
Max. Ramp Rate	5℃/s
Uniformity	≤±0.3℃
Accuracy	≤±0.2℃
Display Resolution	0.1℃
Temp. Control	Block/Tube
Ramping Rate Adjustable	0.1-5℃/s
Hold at 4℃	Forever
Gradient Performance	
Gradient Temp. Range	30-100℃
Gradient Spread	0.1-30℃
Hot Lid Function	
Hot Lid Temp.	30-110℃
Hot Lid Height Adjustable	Electric hot lid
Software Function	
Max. No. of Step	30
Max. No. of Cycle	100
Time Increment/ Decrement	1s-600s
Temp. Increment/ Decrement	0.1-10.0°℃, Touchdown PCR is available
Pause Function	Yes
Auto Data Protection	Yes
Other Performance	
Communication	USB 2.0, RS232/RS485
Dimensions	305mm×155mm×203mm(L×W×H)
Weight	15kg
Power Supply	100-240VAC, 50/60Hz, 600W

BIO-GENER®

TS-300 Series
Thermo Shaker

Customization

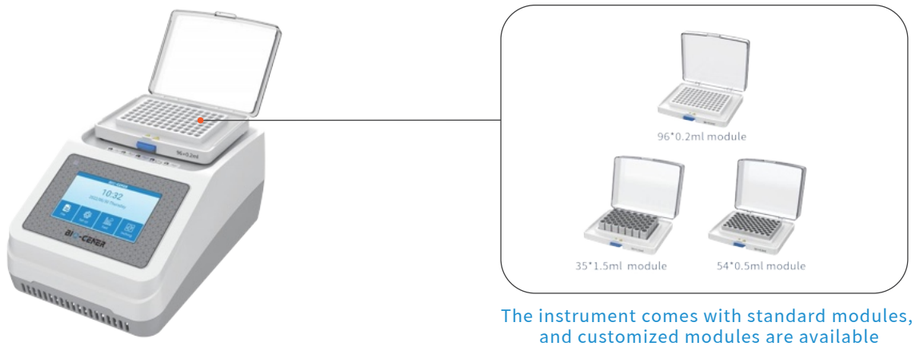
Portable

Products

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 multi-ple product advantages, making it an ideal instrument for incubating, catalyzing, mixing and preserving biological and chemical samples.

Feature

1. Users can independently turn off or turn on the constant temperature, oscillation and timing functions to improve the equipment utilization.
2. Using the metal module, the temperature uniformity is high, and the replacement is convenient.
3. The instrument temperature is fast, uniform heating, accurate temperature control, and high stability.
4. Automatic power-off protection function, continue to run original program after power on.
5. There are many module options, and module customization services are provided.
6. With timing function, there will be alert when time out.



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

Module Parameter

Model No.	TS 0.5ml	TS 1.5ml	TS 2ml	TS 0.5ml＋1.5ml	TS 5ml	TS 12mm	TS Dcg
Capacity	60×0.5ml Tube	35×1.5ml Tube	35×2ml Tube	15×0.5ml＋20×1.5ml Tube	24×5ml Tube	24×12φmm Tube	24×1.5ml/2ml Frozen Storage Tube
Max. Speed	1500rpm	1500rpm	1500rpm	1500rpm	1000rpm	1500rpm	1500rpm

Model No.	TS 15ml	TS 50ml	TS Wk0.2	TS Wk2	TS 96PCR	TS 384PCR	TS 500	TS 1000
Capacity	12×15ml Falcon Tube	6×50ml Falcon Tube	96×0.2ml Microplate	96×2ml Deepwell Plate	96×0.2ml PCR Plate	384 PCR Microplate	96/500ul Deepwell Plate	96/1000ul Deepwell Plate
Max. Speed	1000rpm	1000rpm	1800rpm	1000rpm	1800rpm	2000rpm	1500rpm	1500rpm

Parameters

Name	Thermo Shaker	
Model No.	TS-300C	TS-300H
Display	5inch color TFT touch screen	
Speed	200-2000rpm	
Mixing Orbit	3mm	
Temp. Control Range	0°C-105°C	RT+5°C-105°C
Accuracy	0.1°C	
Temp. Control Accuracy	≤±0.5°C	
Temp. Uniformity	≤±0.5°C	
Time Setting	1s-99h59min59s	
Heating Time	≤15min, 20°C-100°C(20°C-30°C)	≤15min, RT+5°C-100°C(20°C-30°C)
Cooling Time	≤15min(Temp.≤20°C:20°C-0°C) ≤15min(Temp.≤25°C:RT-4°C) ≤15min(Temp.≤30°C:RT-10°C)	/
Heating Rate Gear	Max.; 3°C/min; 2°C/min; 1°C/min;0.1°C/min	
Cooling Rate Gear	Max.;1°C/min;0.5°C/min;0.1°C/min	/
No.of Program	1000	
Communication	USB 2.0	
Ambient Temp.	5°C-30°C	
Humidity	≤70%	
Power	100-240VAC, 50/60HZ, 200W	
Fuse	250V 2.5A Φ5×20	
Dimension(mm)	305×200×145(Host)	
Weight	10.0KG(Include TS 96PCR module)	9.5KG(Include TS 96PCR module)
Certification	CE	

MD-10 Series
Mini Dry Bath

Compact Size

Easy to Carry

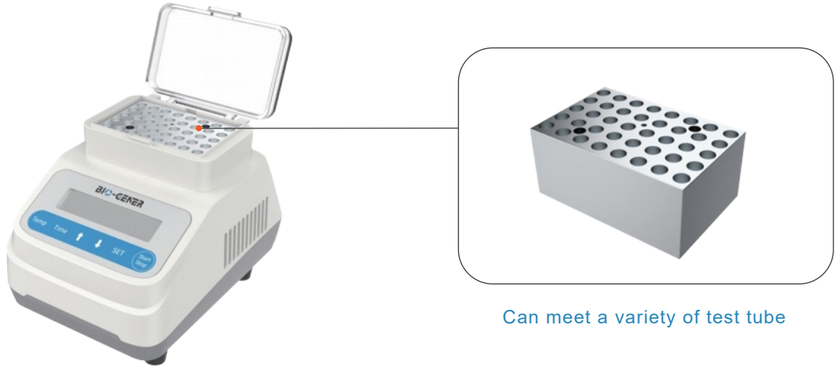
Products

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 can 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.

Feature

1. The instrument is small, saving experimental space.
2. Powerful functions, with cooling and heating functions, fast ramp rate.
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. Designed with sturdiness and durability, it has a long service life.

A variety of modules can be customized



Can meet a variety of test tube

Parameters

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	
Temp. Range	RT-15℃ - 100℃	RT+5℃-100℃
Timing Range	1min-999min or 1sec-999sec	
Program	9(Each step 3)	
Auto Data Protection	Yes	
Temp. Stability	≤±0.3℃	
Accuracy	0.1℃	
Uniformity	≤±0.3℃	
Heating Time	From 25℃ to 100℃，≤20mins	
Cooling time 1	From 100℃ to 25℃，≤20mins	/
Cooling time 2	From RT to RT-15℃，≤20mins	/
Ambient Temp.	5℃-35℃	
Relative Humidity	≤70%	
Input Power	DC12V	
Power	60W	
Dimension	158mm×116mm×121mm(L×W×H)	
Weight	1.1kg	0.6kg

MC-10K
Centrifuge

Compact Size

Durable

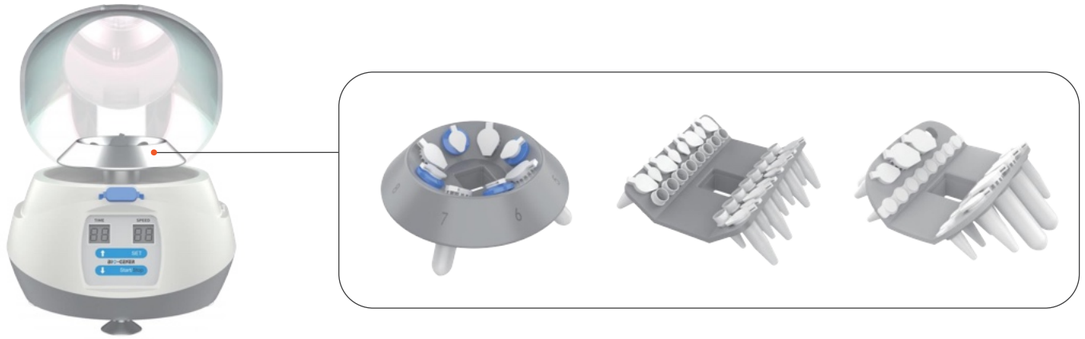
Products

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.

Feature

1. The centrifuge has high rotation speed, good centrifugal effect, and the rotation speed is adjustable (4000rpm-10000rpm).
2. With special shock absorption design, the running noise is small .
3. The centrifugation time is adjustable from 0.5min to 99min.
4. Equipped with multiple rotors, suitable for 2.0ml, 1.5ml, 0.5ml, 0.2ml and other centrifuge tubes, special rotor chuck design.
5. The rotor can be easily installed and replaced, and the configured composite rotor can easily cope with the combined use of various centrifuge tubes.
6. Fully transparent upper cover, user-friendly switch design, stop immediately after opening the cover.

Multiple rotors, wide applications



Rotor Parameter

Rotor	Capacity Combination
Rotor 1	8×2.0ml, 8×0.5ml (with 0.5ml adapter), 8×1.5ml and other combinalions
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
Rotor 3	0.2ml×8×2, 0.5ml×4, 2.0ml×4 3-in-1 rotor

Parameters

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

ICellBox

Eco-friendly

Convenient

Products

The iCellBox, in combination with a -8℃ freezer or dry ice locker, will provide the freezing rate of -1degree 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 iCellBoxwill 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	Specification	Size（cm）	Weight	Color
1020001	ICB-12	12x1ml or 12x2ml	Φ11.8×10	122g	Purple, orange, green

Storage

Store the unused iCellBox in a dry and cool place. Place the tubes in a -80℃ freezer and take them out when needed.

Precautions

Please use the tubes corresponding to the iCellBox, otherwise the saved results may be biased;

Before putting it in the refrigerator, please make sure that the metal ring is lying flat on the bottom of the box and the lid is closed;

After placing it in the refrigerator, avoid placing it close to other materials and make sure there is a 10cm gap around it.

Maintenance

To clean the interior, you can wipe it with a rag or blow it with an air gun;

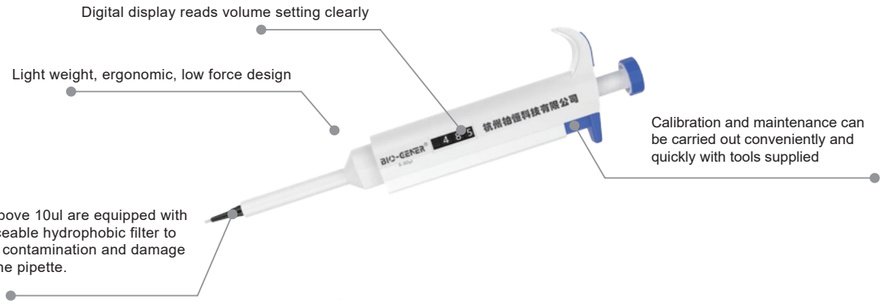
When not in use, please place it in a dry and cool place, and try to avoid high temperatures above 60°C and ultraviolet rays.

Pipette

Fast and Light

Easy to Control

Product Description



Specification

Model No.	Channel	Volume Range	Increment	Test Volume	Accuracy Error	Precision Error
DROPLET-A	1-ch	5-50ul	0.50ul	50ul 25ul 5ul	±0.60% ±0.90% ±2.00%	0.30% 0.60% 2.00%
DROPLET-B	1-ch	20-200ul	1.00ul	200ul 100ul 20ul	±0.60% ±0.80% ±2.50%	0.20% 0.30% 0.80%