

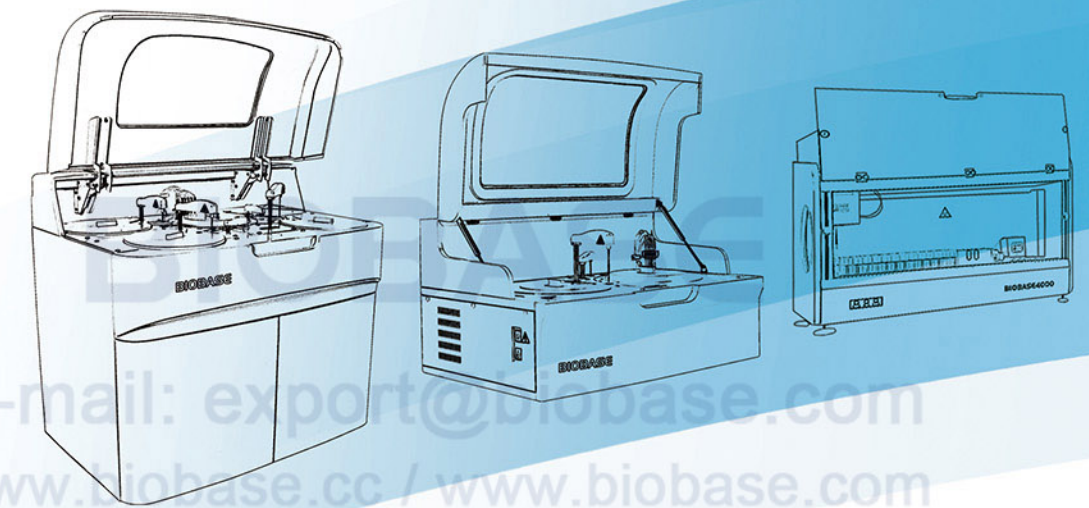
BIOBASE®

Clinical & Analytical

BIOBASE

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BIOBASE CHINA



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Version 2022-1

Introduction

BIOBASE Group is a professional manufacturer of laboratory and medical products since 1999. Our main products in Medical are Auto chemistry analyzer, IVD Reagents, Auto ELISA processor, ELISA Microplate reader & washer, Hematology analyzer, Electrolyte analyzer, Urine analyzer, etc. In Laboratory mainly are Biological safety cabinet, Fume hood, Laminar flow cabinet, etc.

We have more than 5,000 employees and 14 factories. The wide experience on the research and manufacturing Lab and Medical products has managed BIOBASE to be able to offer a large range of competitive products with the highest quality.

Our advantages:

Excellent R&D team of more than 150 researchers.

Experienced after-sales service engineers more than 100 persons.

20 years production experience and national standard factory workshop.

Strong QC team to inspect all production stage, from the accessories to the finished products.

ISO9001, ISO13485, CE certificate.



ISO9001



ISO13485

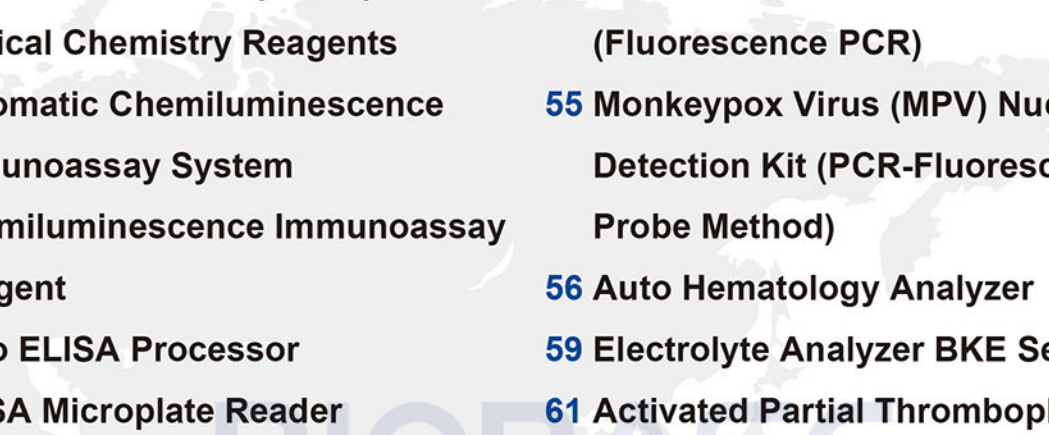


CE



FDA

Contents

- 

01 Automatic Chemistry Analyzer

13 Semi-auto Chemistry Analyzer

15 Clinical Chemistry Reagents

17 Automatic Chemiluminescence Immunoassay System

20 Chemiluminescence Immunoassay Reagent

21 Auto ELISA Processor

27 ELISA Microplate Reader

28 ELISA Microplate Washer

29 Microplate Shaker

31 Elisa Reagent Kits

33 Automated Sample Processing System

35 Nucleic Acid Extractor

47 Nucleic Acid Extraction Kit

49 Fluorescent Quantitative Detection System

53 Novel Coronavirus (2019-nCoV) Nucleic Acid Detection Kit (Fluorescence PCR)

55 Monkeypox Virus (MPV) Nucleic Acid Detection Kit (PCR-Fluorescence Probe Method)

56 Auto Hematology Analyzer

59 Electrolyte Analyzer BKE Series

61 Activated Partial Thromboplastin Time (APTT) Assay Kit

62 Prothrombin Time (PT) Assay Kit

63 Thrombin Time (TT) Assay Kit

64 Fibrinogen (FIB) Assay Kit

65 Auto ESR Analyzer

67 Urine Analyzer

69 Water purifier

Automatic Chemistry Analyzer

01

Reaction Module

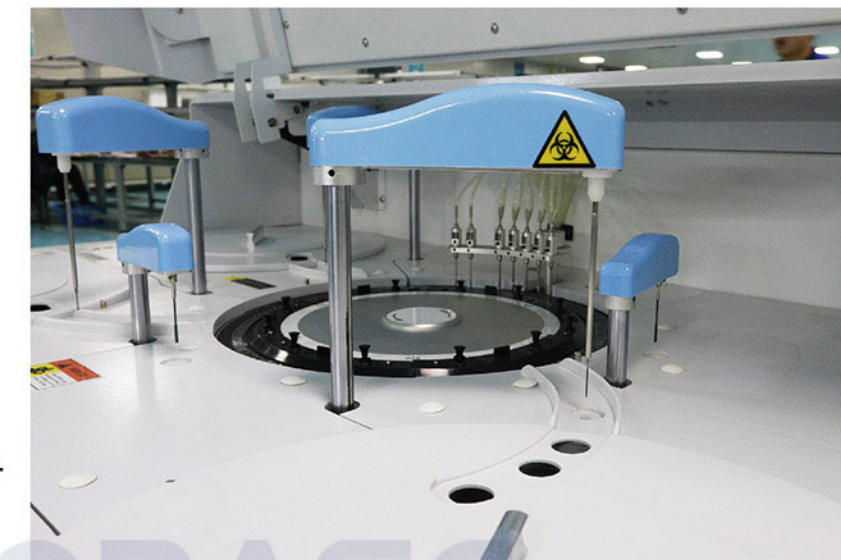
Long lifetime halogen lamp,
stable light source.
340, 405, 450, 480, 505, 546, 570, 600,
630, 700, 750, 800nm twelve
wavelength filters.
37°C stable incubation system.



03

Accurate Sample & Reagent Adding System

Accurate sampling pump, sample adding
0.1µl stepping, reagent adding 1µl stepping.
Sample & reagent probes with liquid level
sensor and anti-collision functions.



02

Functional Software

Sample information batch and
combination input quickly and easily.
24 hours working, with STAT function.
Special designed software surface for
engineer to monitor whole instrument
status clearly.
LIS system available.



04

Sample and Reagent Tray

Reagent tray with 24 hours cooling system.
Reagent volume real-time detection, with
remaining volume display online.

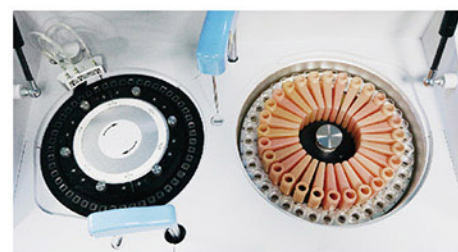


200T/H Automatic Chemistry Analyzer BK-200 (Previous BK-200mini)



Overall appearance:

One probe for reagents and samples;
One mixer; Washing probe.



Features:

- ①. 37 Sample positions.
- ②. 28 Reagent positions.
- ③. 48 Reaction cuvettes.
- ④. 200 Tests per hour.
- ⑤. Probe with anti-collision function, liquid level detection function.



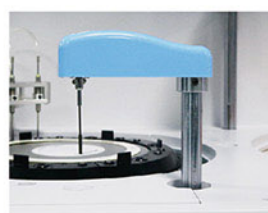
Reaction Tray
37±0.2°C,
real-time monitor.



Reagent Tray
Refrigerated tray with
independent switch.



Sample Needle
Liquid level sensor function.
Anti-collision function. Reagent
volume real-time detection.



Mixer Probe
Teflon coating to avoid
cross contamination.



Washing Probe
Independent 3-step
washing system.



**LAN Port
Access**

Parameters:

Model	BK-200	
Overall Performance	Throughput	200 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	Sample Positions	37 sample positions
	Reagent Positions	28 reagent positions
	Sample Volume	2~70µl
	Reagent Volume	20~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
	Probe Washing	Automatic washing interior and exterior
	Reagent Cooling	Refrigerated tray with independent switch
Reaction System	Temperature Control	37±0.2°C
	Cuvettes	48 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT Function	YES
Optical System	Light Source	6V/10W halogen lamp
	Spectrophotometry	Post-spectral spectrophotometry
	Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800nm
	Absorbance	0~3.0Abs
Calibration & QC	Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
	Quality Control	Real-time QC, Westgard multi rule, Cumulative sum check, Twin Plot(2D)
Data Management	Software	Windows 7/8/10, 32 or 64 bit
	LIS System	Bi-direction, support HL7 protocol
	Interface	LAN port access
	Printer	External optional, multiple reporting mode available
Working Conditions	Power Supply	AC220V±10%, 50/60Hz, 110V±10%, 60Hz, 300W
	Temperature	15~30°C
	Water Consumption	Deionized water: <5L/H
	Humidity	40%~85%
Size & Weight	External Size (W*D*H)	625*425*460mm
	Net Weight	36kg
	Package Size (W*D*H)	728*530*884mm
	Gross Weight	55kg

200T/H Automatic Chemistry Analyzer BK-280 (Previous BK-200)



Features:

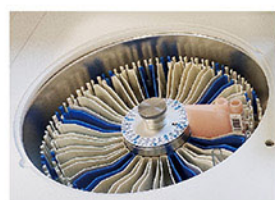
- ①. 49 Sample positions.
- ②. 56 Reagent positions.
- ③. 120 Reaction cuvettes.
- ④. 200 tests per hour.
- ⑤. Probe with anti-collision function, liquid level detection function.



Reaction Tray
37±0.2°C,
real-time monitor.



Mixer Probe
Teflon coating to avoid
cross contamination.



Reagent Tray
2~8°C cooling
for 24 hours.



Sample Needle
Liquid level sensor function.
Anti-collision function. Reagent
volume real-time detection.



Software
User-friendly
software.



Washing Probe
Independent 5-step
washing system.

Parameters:

Model	BK-280	
Overall Performance	Throughput	200 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	Sample Positions	49 sample positions
	Reagent Positions	56 reagent positions
	Sample Volume	2~70µl
	Reagent Volume	20~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
Reaction System	Probe Washing	Automatic washing interior and exterior
	Reagent Cooling	Refrigerated tray with independent switch
	Temperature Control	37±0.2°C
	Cuvettes	120 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
Optical System	Washing	Automatic cuvettes washing
	STAT function	YES
	Light Source	12V/20W halogen lamp
	Spectrophotometry	Post-spectral spectrophotometry
Calibration & QC	Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800nm
	Absorbance	0~3.0Abs
	Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
Data Management	Quality Control	Real-time QC, Westgard multi rule, Cumulative sum check, Twin Plot(2D)
	Software	Windows 7/8/10, 32 or 64 bit
	LIS System	Bi-direction, support HL7 protocol
	Interface	LAN port access
Working Conditions	Printer	External optional, multiple reporting mode available
	Power Supply	AC220V±10% 50/60Hz, 110V±10% 60Hz, 300W
	Temperature	15~30°C
	Water Consumption	Deionized water: 5L/H
Size & Weight	Humidity	40%~85%
	External Size (W*D*H)	950*603*510mm
	Net Weight	65kg
	Package Size (W*D*H)	1085*700*1012mm
	Gross Weight	140kg

400T/H Automatic Chemistry Analyzer BK-400



Features:

- ①. 400 Tests per hour.
- ②. 90 Reagent positions.
- ③. 120 Reaction cuvettes.
- ④. Built-in sample barcode system optional.
- ⑤. 60 Sample positions (90 sample positions optional).
- ⑥. Probe with anti-collision function, liquid level detection function.



Reaction Tray
37±0.1°C, real-time monitor.



Mixer Probe
Teflon coating to avoid cross contamination.



Reagent Tray
2~8°C cooling for 24 hours.



Sample Probe
Liquid level sensor function.
Anti-collision function.
Reagent volume real-time detection.



Software
User-friendly software.

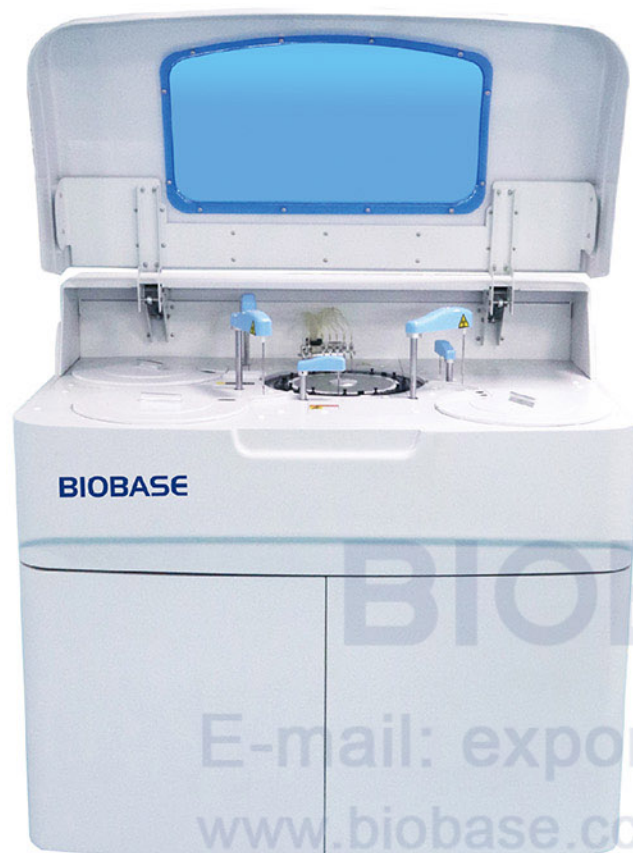


Washing Probe
Independent 7-step washing system.

Parameters:

Model	BK-400	
Overall Performance	Throughput	400 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	Sample Positions	60 or 90 sample positions, built-in barcode system available
	Reagent Positions	90 refrigerated reagent positions
	Sample Volume	1~70µl
	Reagent Volume	10~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
	Probe Washing	Automatic washing interior and exterior
Reaction System	Reagent Cooling	2~8°C
	Temperature Control	37±0.1°C, real-time monitoring
	Cuvettes	120 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT Function	YES
Optical System	Light Source	12V/20W halogen-tungsten lamp
	Spectrophotometry	Post-spectral spectrophotometry
	Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800nm
Calibration & QC	Absorbance	0~3.5Abs
	Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
	Quality Control	Real-time QC, Westgard multi rule, Cumulative Sum Check, Twin Plot(2D)
Data Management	Software	Windows 7/8/10, 32 or 64 bit
	LIS System	Bi-direction, support HL7 protocol
	Interface	TCP/IP Network interface
	Printer	External optional, multiple reporting mode available
Working Conditions	Power Supply	220V±10% 50/60Hz, 110V±10% 60Hz, 500VA
	Temperature	15~30°C
	Water Consumption	Deionized water:<12 L/h
	Humidity	40%~85%
Size & Weight	External Size (W*D*H)	1170*775*1145mm
	Net Weight	190kg
	Package Size (W*D*H)	1348*928*1377mm
	Gross Weight	257kg

600T/H Automatic Chemistry Analyzer BK-600



Features:

- ①. 600 Tests per hour.
- ②. 120 Reaction cuvettes.
- ③. 180 Refrigerated reagent positions.
- ⑤. Built-in sample barcode system optional.
- ⑥. 90 Sample positions.(120 sample positions optional).
- ⑦. Probe with anti-collision function, liquid level detection function.



Reaction Tray
37±0.1°C,
real-time monitor.



Reagent Tray
2~8°C cooling
for 24 hours.



Software
User-friendly
software.



Mixer Probe
Teflon coating to avoid
cross contamination.



Sample Probe
Liquid level sensor function.
Anti-collision function.
Reagent volume real-time
detection.



Washing Probe
Independent 7-step
washing system.

Parameters:

Model	BK-600	
Overall Performance	Throughput	600 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	Sample Positions	90 sample positions, built-in barcode system available
	Reagent Positions	180 refrigerated reagent positions (R1: 45 & R2: 45)
	Sample Volume	1~70µl
	Reagent Volume	10~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
	Probe Washing	Automatic washing interior and exterior
Reaction System	Reagent Cooling	2~8°C
	Temperature Control	37±0.1°C, real-time monitoring
	Cuvettes	120 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT Function	YES
Optical System	Light Source	12V/20W halogen lamp
	Spectrophotometry	Post-spectral spectrophotometry
	Wavelength	340, 405, 450, 480, 505, 546, 570, 600, 630, 700, 750, 800nm
	Absorbance	0~3.5Abs
Calibration & QC	Calibration	1-point, 2-point and multi-point, factor, Spline,
	Quality Control	Logit-4P, Logit-5P
	Inserting quality control at random	
Data Management	Software	Windows 7/8/10
	LIS System	Available
	Interface	TCP/IP Network interface
	Printer	External optional, multiple reporting mode available
Working Conditions	Power Supply	220V±10% 50/60Hz, 110V±10% 60Hz, 800VA
	Temperature	15~30°C
	Water Consumption	Deionized water:<15 L/h
	Humidity	40%~85%
Size & Weight	External Size (W*D*H)	1170*775*1145mm
	Net Weight	216kg
	Package Size (W*D*H)	1348*928*1377mm
	Gross Weight	280kg
	Accessory Package Size	728*598*651mm
	Accessory Gross Weight	70kg

800T/H Automatic Chemistry Analyzer BK-1200



Features:

- ①. 150 Sample positions.
- ②. 160 Reaction cuvettes.
- ③. 180 Refrigerated reagent positions.
- ④. Optical filter/fiber bragg grating selectable.
- ⑤. 800 Tests per hour (1200 Tests with ISE module).
- ⑥. Built-in sample barcode system optional.
- ⑦. Probe with anti-collision function, liquid level detection function.



Reaction Tray
37±0.1°C, water bath



Reagent Tray
2~8°C cooling for 24 hours



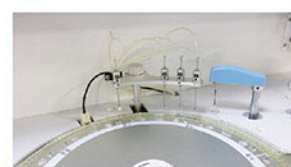
Software
User-friendly software



Mixer Probe
Dual mixer, auto frequency adjustment



Sample Probe
Liquid level sensor function Anti collision function Reagent volume real-time detection



Washing Probe
Dual design, high efficiency

Parameters:

Model	BK-1200	
Overall Performance	Throughput	800 Tests/hour, 1200Tests/hour with ISE(Optional)
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO13485
Sample & Reagent System	Sample Positions	150 sample positions
	Reagent Positions	180 reagent positions
	Sample Volume	1~70µl
	Reagent Volume	10~350µl
	Probe	Teflon coating, with anti-collision function, liquid level detection function
	Probe Washing	Automatic washing interior and exterior
	Reagent Cooling	Refrigerated tray with independent switch
Reaction System	Temperature Control	Water bath, 37±0.1°C, real-time monitoring
	Cuvettes	160 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT Function	YES
Optical System	Light Source	12V/20W halogen lamp/fiber bragg grating optional
	Spectrophotometry	Post-spectral spectrophotometry
	Wavelength	12 wavelengths from 340~800nm
Calibration & QC	Absorbance	0~3.5Abs
	Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Ogarithm, Logit-4P, Logit-5P
	Quality Control	Real-time QC, Westgard multi rule, Cumulative Sum Check, Twin Plot(2D)
Data Management	Software	Windows 7/8/10, 32 or 64 bit
	LIS System	Bi-direction, support HL7 protocol
	Interface	LAN port access
	Printer	External optional, multiple reporting mode available
Working Conditions	Power Supply	AC220V±10% 50/60Hz, 110V±10% 60Hz, 1500W
	Temperature	15~30°C (±2°C)
	Water Consumption	Deionized water: < 25L/H
	Humidity	40%~85%
Size & Weight	External Size (W*D*H)	1360*795*1155mm
	Net Weight	290kg
	Package Size (W*D*H)	1718*958*1427mm
	Gross Weight	400kg

Semi-auto Chemistry Analyzer

BIOBASE-Silver



E-mail: export@biobase.com

www.biobase.cc / www.biobase.com

Features:

- ①. Easy operation by one button.
- ②. End point, kinetic, fixed time, rate, etc.
- ③. Filter wavelength: 340/405/450/510/546/578/630nm, 2 more open filter positions, others on request.
- ④. With 20 incubating positions.
- ⑤. Large Memory to store 144 test programs and 5600 testing results.
- ⑥. Excellent Q.C function, Q.C chart can be stored, displayed and printed.
- ⑦. 37°C temperature in flow cell and incubating.
- ⑧. Real time graph can be displayed and printed.

Parameters:

Model	BIOBASE-Silver
Reading cuvette	Quartz cuvette; Both through cell and direct reading cuvette
Incubating positions	20 incubating positions
Photometric System	Light source: 6V, 10W long life halogen lamp
	Filters: 340/405/450/510/546/578/630nm, 2 more open filter positions
	Wavelength accuracy: $\pm 2\text{nm}$
Measuring System	Measuring range: 0~3.500O.D.
	Photometric linearity: $\pm 2\%$ from 0 to 2.500 O.D.
	Photometric accuracy: $\pm 2\%$ from 0 to 2.500 O.D.
	Drift<0.005 O.D.
Incubator Temperature	R.T. 25°C, 30°C, 37°C
Control	Precision: $\pm 0.1^\circ\text{C}$
Display	Touch Screen
Printer	Built-in thermal printer
Interface	RS-232, USB
Power Supply	AC110/220V $\pm 10\%$, 60/50Hz
External Size(W*D*H)	400*380*200mm
Packing Size(W*D*H)	500*530*350mm
Gross Weight	12kg

Clinical Chemistry Reagents

118 Item Reagent Kits :



Class 100000 Clean Workshop



Chemistry Reagent



Used in BIOBASE or other brands Chemistry analyzer

- ①. Pancreas: α -AMY, LPS.
- ②. Pepsinogen: PG I, PG II.
- ③. Rheumatism: RF.
- ④. Hemagglutination: Fb, Fn.
- ⑤. Glycometabolism: GLU, GSP, HbA1c, D3H, LAC.
- ⑥. Blood Gas Electrolyte: Cl, Ca, P, Mg, CO₂, Na, K, Cu, Fe, Zn, etc.
- ⑦. Blood Lipid: CHO, TG, HDL-C, LDL-C, APOA1, APOB, HCY, PLIP, Lp(a), APOE, ApoA2, ApoC2.
- ⑧. Myocardium Zymogram: LDH, CK-NAC, CK-MB, MB, ACE, LDH I, Tnl, MA.
- ⑨. Kidney Function: UREA, CREA, UA, MALB, CYS-C, BMG, NAG, UTP, α 1-MG, RBP.
- ⑩. Special Protein: ASO, CRP, PALB, TRF, G6PD, DD, C3, C4, IgA, IgM, IgG, HS-CRP, UIBC, Fet, IgE.
- ⑪. Liver Function: ALP, γ -GT, ALT, AST, TP, ALB, TBIL, DBIL, CHE, TBA, AFU, 5'-NT, AMO, AFP, AMM, LAP, ALC, GLDH, AAT.

Small package	24ml~40ml
Medium package	96ml~160ml
Big package	480ml~560ml

Applicable to different brand chemistry analyzer

BIOBASE, Hitachi, Olympus, Roche, Beckman, Toshiba, Shimadzu, Abbott, Sysmex, Mindray, etc.

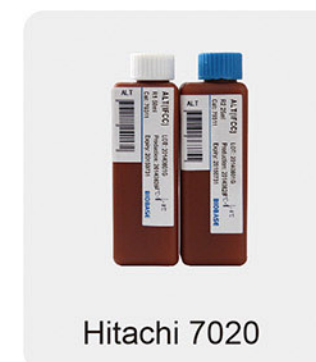
OEM Services Available :

Bulk package: 500ML, 1L, 2L, 5L, 10L, 25L, 50L, 100L

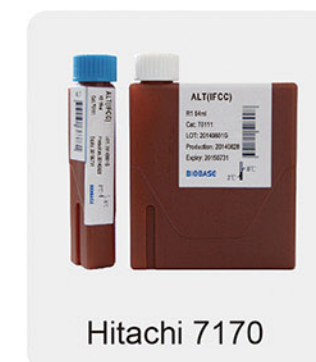
Applicable Models



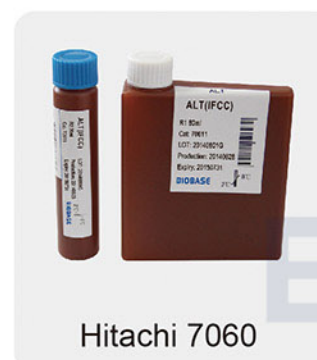
BIOBASE



Hitachi 7020



Hitachi 7170



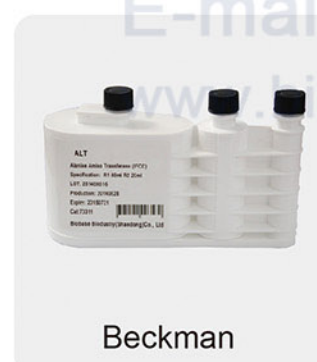
Hitachi 7060



Olympus



Mindray



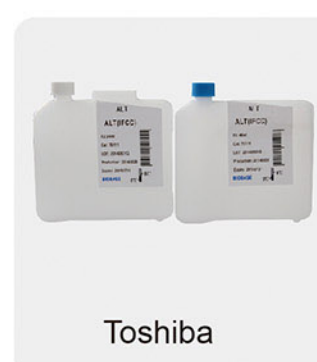
Beckman



Glamour



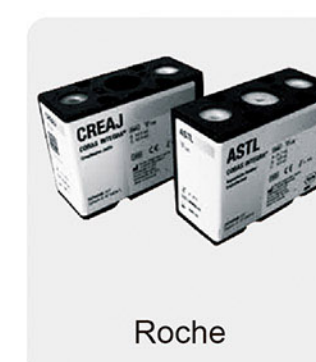
Neusoft



Toshiba



Abbott



Roche

Automatic Chemiluminescence Immunoassay System BKI1100/BKI2200

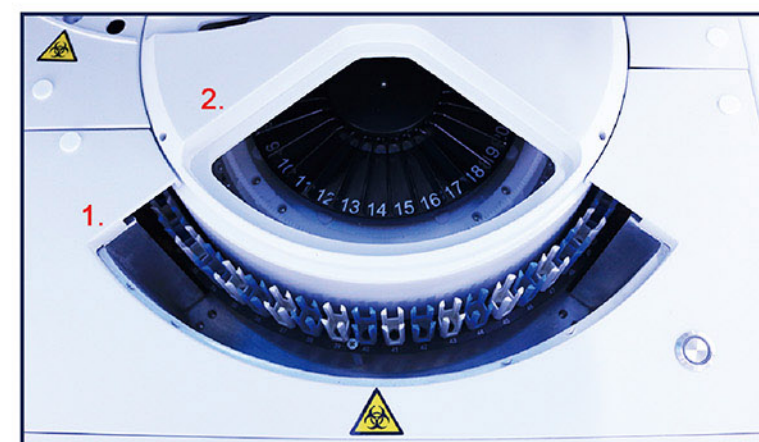


Introduction:

The chemiluminescence immunoassay system uses magnetic particle separation technology, which uses magnetic particles as antibody carriers, which can be evenly distributed in the liquid phase reaction system, with faster reaction speed and higher efficiency. Using enzymatic chemiluminescence method, the light signal is more stable.

A new generation of enzymatic substrates, with higher sensitivity and faster luminescence.

Compared with the international brands, the chemiluminescence immunoassay reagents have good consistency, the coincidence rate can reach more than 95%.

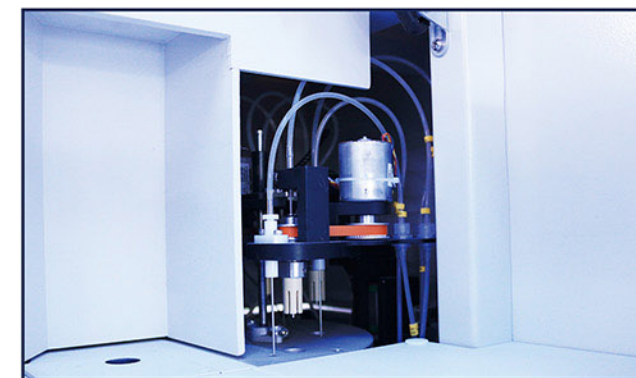


1. Sample Tray:

- * Disc design, up to 60 samples loading capacity per batch.
- * The position of sample, standard product and quality control positions can be edited.
- * Support emergency function.

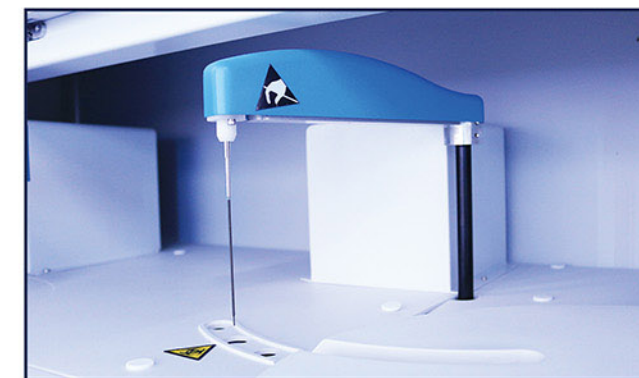
2. Reagent Tray:

- * Patented semiconductor refrigeration technology.
- * Up to 30 reagent position on board with refrigeration at 2-8℃.
- * Up to 30 items can be tested at the same time.



Washing and Mixing Module:

- * Three-level cleaning mode, higher cleaning efficiency.
- * Non-contact mixing to avoid cross-contamination.



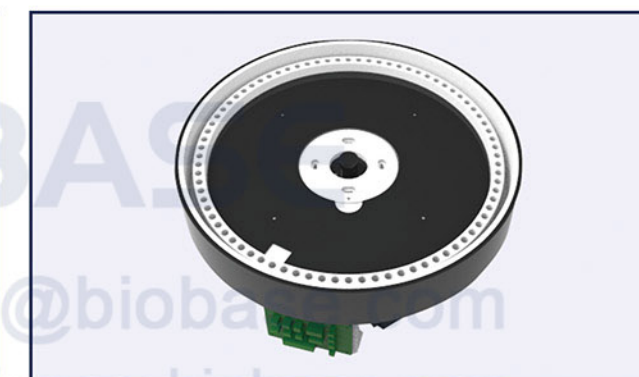
Sample Probe:

- * Excellent rinsing system make carry-over $\leq 10^{-5}$.
- * Liquid-level and blood clot detection system.
- * Intelligent anti-collision function.
- * Sampling volume: 15ul-100ul.



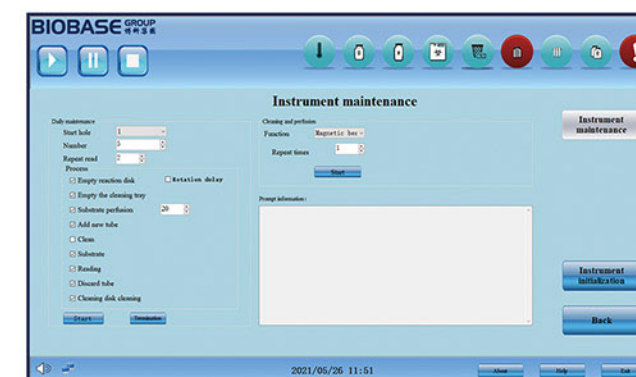
RV Loading Module:

- * Independent reaction vessel.
- * Up to 1200 pcs per batch with continues loading.
- * Automatically supply reaction vessel.
- * Intelligently detect the amount of RV.



Incubation Plate:

- * 80 incubation positions.
- * Constant 37℃ incubation.



Instrument Software:

- * Flexible sample test mode: STAT function, automatic dilution, reset function, continuous loading.
- * Reagent management: the remaining amount, calibration validity, expiry date management.
- * Consumables management: continuous monitoring and low-level warning.
- * Result management: store search, print and statistics, automatic unit conversion function.
- * LIS/HIS connection.
- * Auto daily maintenance.

Parameters:

Model	BKI1100	BKI2200
Throughput	80T/H	120T/H
Principle	Magnetic particle enzymatic chemiluminescence	
Modes of Operation	Random, Batch and STAT	
Separation Method	Magnetic separation technology	
Sample Positions	60 (Each position could be used as an emergency position)	
Reagent Positions	30 pcs (2-8°C refrigeration)	
Incubation Positions	50	80
Time to 1st Result	18 Minutes	
Sample Volume	15-100ul	
Detection Precision	CV≤5%	
Carry-over Rate	≤10-5	
Correlation Coefficient	r≥0.99	
Calibration Stability	28 Days	
Calibration Type	6/7-point calibration	
Software System	Windows 7/8/10, 32 or 64 bit Bi-direction, support HL7 protocol Intuitive User Interface, Intelligent Data Management	
Interface	TCP/IP Network interface	
Other Function	Liquid level detection Anti-collision function Sample barcode scanning Reagent radio frequency identification Intelligent alarm prompt	
Power Supply	AC110/220V, 50/60Hz	
External Size (W*D*H)	1120*735*513mm	1305*770*1150mm
Net Weight	130Kg	220Kg
Package Size (WD*H)	1303*873*854mm	1608*898*1534mm
Gross Weight	180kg	294kg

Chemiluminescence Immunoassay Reagent



Parameters:

Thyroid	TSH; TT4; TT3; FT4; FT3; TgAb; TPOAb; TG; Anti-TSHR; CT
Anemia	FERRITIN; VB12; FA
Liver Fibrosis	CIV; LN; HA; PIIINP
Hypertension	ALD; ACTH; Cortisol; Renin
Fertility	β-HCG; E2; P; T; PRL; FSH; LH; DHEA-S; SHBG; AMH
Growth	GH
Bone Metabolism	BGP; 25-OH-Vit-D; iPTH; BGP
Tumor Marker	CA125; CA15-3; CA199; AFP; CEA; t-PSA; f-PSA
Pepsinogen	PGI; PGII
Kidney Function	β2-MG
Rheumatism	Anti-CCP
Diabetes	C-P; INS
Cardiac Marker	cTnI; CK-MB; MYO; NT-proBNP
Inflammation	PCT; IL-6

Auto ELISA Processor



01

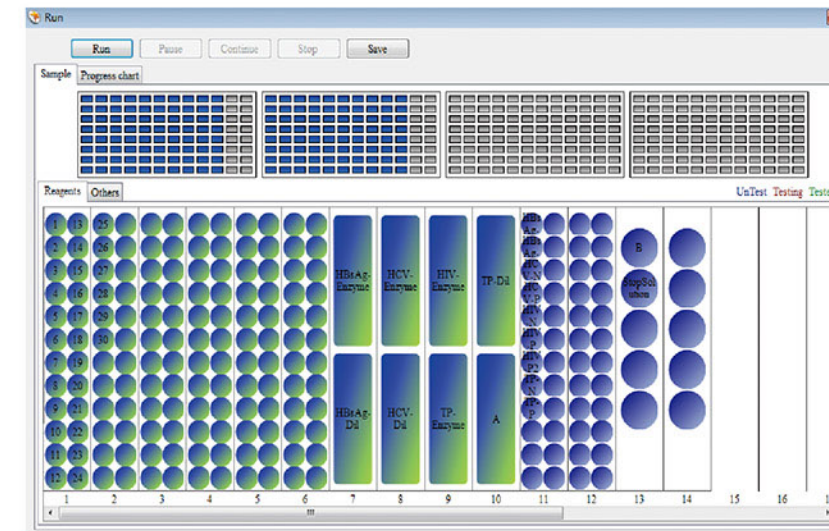
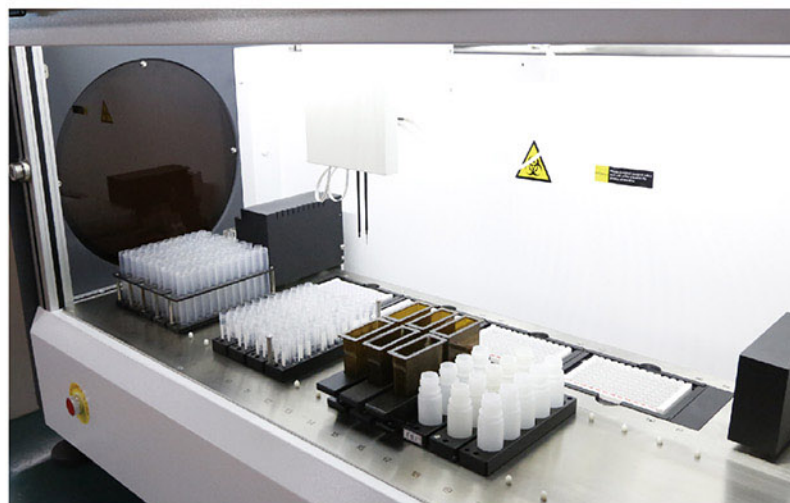
Sample Module

With hydrophobic membrane treatment precision probe and automatic washing system, ensure adding volume accurately and preventing cross contamination effectively.

02

Sample & Reagent & Dilution Rack Module

Using original sample tube and reagent bottles directly, preventing cross contamination effectively. Onboard large capacity and optional programmable dilution module.



03

Software Module

User-friendly Windows system, easy and simple to operate. LIS (Laboratory information system) is available.

04

Microplate Reader & Washer Module

Washing probe is adjusted automatically to ensure washing efficiently without residual, having unique integrative washing and reading module system. Reading unit is composed of high precision optics to ensure the accuracy and stability of testing results.



05

Testing Range:

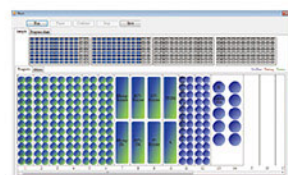
- | | |
|--------------------------------|--|
| ①. TORCH SERIES | Toxo, RV, CMV, HSV etc. |
| ②. HEPATITIS SERIES | HAV, HBV, HCV, HDV, HEV etc. |
| ③. VENEREAL SERIES | HIV, TP, MP, CT etc. |
| ④. THYROID AUTOIMMUNITY SERIES | T3, T4, FT3, TSH etc. |
| ⑤. ENDOCRINE SERIES | E2, E3, LH, FSH, HCG, Pro, PRL etc. |
| ⑥. TUMOR MARKER SERIES | CEA, AFP, PSA, F-PSA, CAL9-9, CAL 25, CA15-3, CA242. |

Auto ELISA Processor BIOBASE 1000



Features:

- ①. 1 robotic arm, 1 pipetting probe (10~1000μl).
- ②. 2 unit 96 well microplates (independent incubating).
- ③. 1 unit reader& washer (auto reading and washing).



Software Module

User-friendly Windows system;
LIS system available.



Sample Module

Hitech teflon coating probe to
prevent cross contamination.



Sample & Reagent & Dilution Rack Module

Original sample tubes available;
Rack positions programmable.



Microplate Reader & Washer Module

Modularized automatic control
reading and washing system.

Parameters:

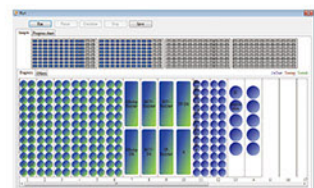
Model		BIOBASE 1000
Sample Unit	Sample Racks	Standard 192 sample position (expandable, up to 384)
	Pipetting	10~1000μl
	Dispensing System	1 aspirating and dispensing probe (X-Y-Z movement)
Reagent Unit	Reagent Racks	Universal reagent position : standard 6 universal reagent positions (expandable, up to 32); Original reagent bottle: Standard 20 reagent bottles position (expandable, up to 80)
	Pipetting Range	10~1000μl, 1μl stepping
	Pipetting Precision	(100μl) CV≤0.5%
	Dispensing Time	5 minutes to whole 96 well microplates
Incubation Unit	Incubation	2 independent Incubators
	Temperature Range	RT to 45 °C
	Temperature Accuracy	±0.5°C
Washing Unit	Washing Probes	Two line 8-nozzle manifolds
	Wash Containers	2 wash buffers 2L, 1 distilled water, 1 waste water
	Washing Residual	≤2μl
Reading Unit	Reading Channels	8 independent photometric channels, mono and dichromatic reading
	Absorbance	0.0~3.0 OD
	Spectral Range	400~700nm
	Optical Filters	2 standard filters (450,630nm); 2 more on request (405nm/450nm/492nm/630nm)
Data Management	Software	Windows 7
	LIS System	Bi-direction, support HL7 protocol
	Results	Absorbance and results reviewable by software
	Printer	External optional
Working Conditions	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60H, 400W
	Temperature	10~30°C
	Humidity	30%~80%
Size & Weight	External Size (W*D*H)	933*685*860mm
	Net Weight	130kg
	Package Size(W*D*H)	1085*840*1318mm
	Gross Weight	180kg

Auto ELISA Processor BIOBASE 2000



Features:

- ①. 1 robotic arm, 2 pipetting probes (10~1000μl).
- ②. 4 unit 96 well microplates (independent incubating).
- ③. 1 unit reader& washer (auto reading and washing).



Software Module

User-friendly Windows system;
LIS system available.



Sample Module

Hitech teflon coating probe to
prevent cross contamination.



Sample & Reagent & Dilution Rack Module

Original sample tubes available;
Rack positions programmable.



Microplate Reader&Washer Module

Modularized automatic control
reading and washing system.

Parameters:

Model	BIOBASE 2000	
Sample Unit	Sample Racks	552 sample positions (tubes 13mm)
	Pipetting	8~1000μl
	Dispensing System	2 aspirating and dispensing probe (X-Y-Z movement)
Reagent Unit	Reagent Position	23 reagent racks, editable
	Pipetting Range	8~1000μl, 1μl stepping
	Pipetting Precision	(100μl)CV≤0.5%
Washing Unit	Dispensing Time	4 minutes to whole 96 well microplates
	Washing Probes	Two line 8-nozzle manifolds
	Wash Containers	Cleaning fluid (15L), waste water (25L), Buffer 1 (5L), Buffer 2 (2L), Buffer 3 (2L), Buffer 4 (2L), with liquid level-sensing, liquid shortage and full alarm
	Waste Containers	25L with waste full sensor
	Washing Residual	< 2μl
Reading Unit	Reading Channels	8 independent photometric channels, mono and dichromatic reading
	Absorbance	0.0~3.0 OD
	Spectral Range	400~700nm
	Optical Filters	2 standard filters (450,630nm); 2 more on request (405nm/450nm/492nm/630nm)
	Reading Accuracy	±1% from 0~1.5OD, ±2% from 1.5~3.0 OD
Incubation Unit	Incubators	4 independent units
	Temperature Range	RT to 45°C
	Temperature Accuracy	±0.5°C
Data Management	Software System	Windows 7
	LIS System	Bi-direction, support HL7 protocol
	Results	Absorbance and results reviewable by software
Working Conditions	Printer	External optional
	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz, 400W
Size & Weight	Temperature	10~30°C
	Humidity	30%~80%
	External Size(W*D*H)	1235*710*880mm
	Net Weight	146kg
Size & Weight	Package Size(W*D*H)	1380*860*1435mm
	Gross Weight	220kg

Elisa Microplate Reader



BK-EL10A



BK-EL10B



BK-EL10C



BK-EL10D

Features:

- ①. 10.1-inch large touch screen operation. (Except BK-EL10B)
- ②. High precision and accurate results.
- ③. Software: Single wavelength and double wavelengths detection methods.

Parameters:

Model	BK-EL10A	BK-EL10B	BK-EL10C	BK-EL10D
Measurement Channel	Vertical 8 optical channels			
Plate Type	96-well microplate			
Wavelength Range	400 ~ 750nm			340 ~ 850nm
Filter	Standard 4 wavelengths of 405, 450, 492, 630nm(BK-EL10A, BK-EL10B, BK-EL10C) Standard 5 wavelengths of 340, 405, 450, 492, 630nm(BK-EL10D) Optional: Up to 10 wavelengths.			
Reading Ravnge	0.000 ~ 3.000Abs		0.000 ~ 4.000Abs	0.000 ~ 4.500Abs
Linear Range	0.000 ~ 3.000Abs			0.000 ~ 3.500Abs
Resolution	0.0001Abs			
Repeatability	CV≤1.0%			CV≤0.2%
Stability	≤±0.005Abs		≤±0.003Abs	
Sensitivity	≥0.01 mg/L			
Channel Difference	≤0.02Abs			
Vibration Plate Function	3 kinds of vibration plate function, adjustable 0~255s(BK-EL10A, BK-EL10B, BK-EL10C) 5 kinds of vibration plate function, adjustable 0~255s(BK-EL10D)			
Incubation Function	Time Range: 0~60min Temp. Range: RT +4℃~50℃ (Only for BK-EL10D)			
Power Supply	AC100~240V, 50/60Hz			
Instrument Size(W*D*H)	450*320*300mm	450*320*190mm	450*320*300mm	495*340*370mm
Package Size(W*D*H)	540*400*460mm		585*425*405mm	610*440*475mm
Net/Gross Weight	13/15kg	10/12kg	11/13kg	12/14kg

Elisa Microplate Washer

Feature:

- ①. Microcomputer control, automatically complete the plate washing operation.
- ②. The liquid level sensing function automatically detects the liquid level, and automatically alarms when the cleaning liquid is insufficient and the waste liquid is overflowing.
- ③. The user-friendly operating system allows users to customize the plate type, set the number of washes, the amount of wash solution, the way to wash the plate, the suction point, the soaking and shaking time and other parameters.
- ④. The wash head is self-balancing, has two-point aspiration, and performs bottom flushing.
- ⑤. 2 kinds of Automatic washing, Soaking and Shaking, to reduce the interference adsorption during the reaction; time adjustable.



BK-9613



BK-9622

Parameters:

Model	BK-9622	BK-9613
Cleaning Head	8 channels and 12 channels	96 pins, single row controllable
Microplate Types	Four kinds, flat bottom, U bottom, V bottom, round bottom	
Average Residue	<1μl(per hole)	<0.7μl(per hole)
Liquid Suction Time	0.1~999.9 seconds adjustable, with an interval of 0.1 seconds	
Line Flush Time	1~999 seconds, adjustable	
Washing Programs	Up to 200 programs	
Display	7-inch touch display	
Liquid Injection Channels	3 (2 types of lotion and 1 type of distilled water)	
Cleaning Needle Position	6 types (horizontal, left, middle, right, bottom, hole spacing)	
Consumption	80W	350W
Power Supply	AC220V±10%, 50/60Hz; 110±10%, 60Hz	
Packing Size(W*D*H):	720*480*400mm	740*675*562mm
Gross Weight	20kg	42kg

Microplate Shaker BK-MS200

Description:

BK-MS200 Thermo Shaker for Microplates is with technique of direct brushless DC motor and PID intelligent temperature control. It is mainly used for shaking and cultivation in Elisa plates (96/384 wells), tissue culture plates(24/48/96 wells).

Features:

- ①. LCD displays system status and parameters.
- ②. Stable and reliable operation with high quality switch.
- ③. Easy to operate with one touch knob.
- ④. Setup the time within 0~100 hours, instrument will make alarm voice when completing.
- ⑤. With power recovery, instrument will continue to run when power recovers from outage.
- ⑥. 12-month warranty.
- ⑦. The mechanism of the incubator-heated base and cover

Parameters:

Model	BK-MS200
Temp. Control Range	RT.+5℃~80℃
Timing Range	1min ~ 99h59min
Temp. Accuracy	≤±0.5℃
Display Accuracy	0.1℃
Temp Uniformity	≤±0.5℃
Shaking Speed	200-1600rpm
Orbit	3mm
Capacity	2pcs microplates or culture plates
Power Supply	150W
Voltage	AC100V~240V 50/60Hz
Heating Time	≤10min (from RT. to 80℃)
Dimension	280×270×140mm
Net Weight	7kg
Package Size(W*D*H)	440*360*260mm
Gross Weight	7.5kg



Microplate Shaker BK-MS300

Description:

BK-MS300 Thermo Shaker for Microplates is a multipurpose thermostatic shaker controlled by brushless DC motor and PID intelligent temperature control technology. The PID fuzzy control technology can be accurate to ensure that the temperature control precision and automatically adjust the heating rate, reduce waiting time.

Features:

- ①. Easy to set up and use, all information real-time display and showing set up operation, convenient to observe equipment running status.
- ②. Support standard microplates and deep well plates.
- ③. Brushless DC motor, low noise, small interference, free maintenance.
- ④. Automatic preheating function.
- ⑤. Automatic power recovery function.
- ⑥. Temperature calibration function.
- ⑦. Built-in software and hardware over temperature protection device, will use more reliable.

Parameters:

Model	BK-MS300
Temp. Setting Range	0~80℃
Temp. Control Range	RT+5℃~80℃
Timing Range	1min ~ 99h59min/∞
Temp. Accuracy	≤±0.5℃
Display Accuracy	0.1℃
Temp Uniformity	≤±0.5℃
Shaking Speed	300~1350rpm
Orbit	3mm
Auto Preheating	Yes
Auto Resume to Run	Yes
Capacity	4Microplates or deep-well plates
Power Supply	300W
Voltage	AC220V or AC110V, 50/60Hz
Heating Time	≤10 min (from 25℃ to 80℃)
Dimension	340*320*200mm
Net Weight	9.5kg
Package Size(W*D*H)	490*450*315mm
Gross Weight	11.5kg



Elisa Reagent Kits



Parameters:

Product Name	Format	Shelf life(months)	Storage Temperature
Infectious Disease Elisa			
HAV-Ab	96T	12	2~8 °C
HBsAg	96T	12	2~8 °C
HBsAb	96T	12	2~8 °C
HBeAg	96T	12	2~8 °C
HBeAb	96T	12	2~8 °C
HBcAb	96T	12	2~8 °C
HBcAb-IgM	96T	12	2~8 °C
HBsAb Quantitative	96T	12	2~8 °C
HBV Pre-S1 Ag	96T	12	2~8 °C
HCV Ab	96T	12	2~8 °C
HCV-IgM	96T	12	2~8 °C
HIV 1+2 Ab	96T	12	2~8 °C
HIV 1+2 Ag/Ab	96T	12	2~8 °C
Syphilis anti-TP	96T	12	2~8 °C
HDV-IgG	96T	12	2~8 °C
HDV-IgM	96T	12	2~8 °C
HEV-Ab	96T	12	2~8 °C
HEV-Ag	96T	12	2~8 °C
HTLV 1+2 Ab	96T	12	2~8 °C
Fertility Elisa			
LH	96T	12	2~8 °C
B-HCG	96T	12	2~8 °C
Testosterone(T)	96T	12	2~8 °C
FSH	96T	12	2~8 °C
Progesterone(P)	96T	12	2~8 °C
Prolactin	96T	12	2~8 °C
E2	96T	12	2~8 °C



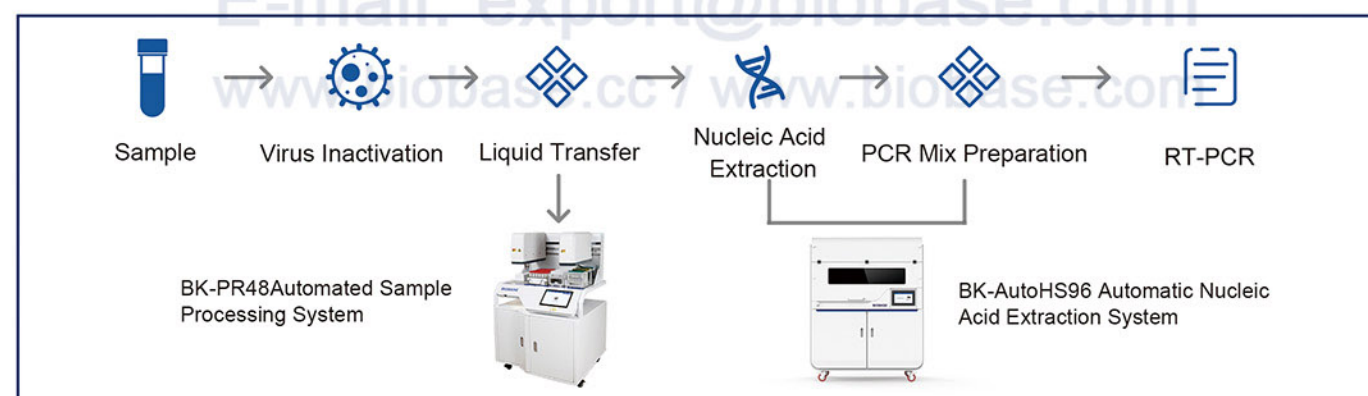
Parameters:

Product Name	Format	Shelf life(months)	Storage Temperature
Tumour Elisa			
FT3	96T	12	2~8 °C
FT4	96T	12	2~8 °C
T3	96T	12	2~8 °C
T4	96T	12	2~8 °C
TSH	96T	12	2~8 °C
Insulin(Ins)	96T	12	2~8 °C
C-P	96T	12	2~8 °C
AFP	96T	12	2~8 °C
CEA	96T	12	2~8 °C
Ferritin	96T	12	2~8 °C
PSA	96T	12	2~8 °C
CA50	96T	12	2~8 °C
CA125	96T	12	2~8 °C
CA153	96T	12	2~8 °C
CA199	96T	12	2~8 °C
Torch Elisa			
CMV (Cytomegalovirus Antibody) IgG	96T	12	2~8 °C
CMV (Cytomegalovirus Antibody) IgM	96T	12	2~8 °C
RV (Rubella Antibody) IgG	96T	12	2~8 °C
RV (Rubella Antibody) IgM	96T	12	2~8 °C
TOX (Toxoplasma Antibody) IgG	96T	12	2~8 °C
TOX (Toxoplasma Antibody) IgM	96T	12	2~8 °C
HSV-I (Herpes Simplex Virus I Antibody) IgM	96T	12	2~8 °C
HSV-II (Herpes Simplex Virus II Antibody) IgM	96T	12	2~8 °C
Others			
COX (Coxsackievirus Antibody) IgG	96T	12	2~8 °C
COX (Coxsackievirus Antibody) IgM	96T	12	2~8 °C
MV (Measles Virus Antibody) IgG	96T	12	2~8 °C
MV (Measles Virus Antibody) IgM	96T	12	2~8 °C
TB (Mycobacterium Tuberculosis Antibody) IgG	96T	12	2~8 °C
TB (Mycobacterium Tuberculosis Antibody) IgM	96T	12	2~8 °C
RSV (Respiratory Syncytial Virus Antibody) IgM	96T	12	2~8 °C
Mg (Mycoplasma Genitalium Antibody) IgG	96T	12	2~8 °C
HPV (Human Papilloma Virus Antibody) IgG	96T	12	2~8 °C
ds-DNA (Double-stranded DNA Antibody) IgG	96T	12	2~8 °C
ss-DNA (Single-stranded DNA Antibody) IgG	96T	12	2~8 °C
ANA (Antinuclear Antibody) IgG	96T	12	2~8 °C
Vitamin D (For Research Use Only)	96T	12	2~8 °C
Vitamin A (For Research Use Only)	96T	12	2~8 °C
Vitamin C (For Research Use Only)	96T	12	2~8 °C
Vitamin B12 (For Research Use Only)	96T	12	2~8 °C

Automated Sample Processing System BK-PR32 & BK-PR48



Work Process:



Introduction:

The Automated Sample Processing System is equipped with an independent HEPA filter system, and the Automated Sample Processing System can be used with a biological safety cabinet. It can complete lid opening/closing, dispensing, proteinase K internal control addition, which helps laboratories quickly improve their large-scale nucleic acid detection capabilities.

Application:

Sample processing for clinical diagnosis, epidemic surveillance, food safety, forensic identification, scientific research, etc., especially for samples of SARS-CoV-2 or other virulent infectious diseases.

Features:

Safety: Automated Sample Processing System is equipped with high-efficiency filter and built-in UV lamp, and it can be used with a biological safety cabinet, to effectively prevent aerosol pollution.

Efficient: Cooperative processing with dual robotic arms

Convenient: Visual interface operation, easy to operate

Compatibility: Compatible with a variety of pipette tips, deep well plates, sampling tubes. (including blood collection tubes) specifications

Smart: One-key operation, smart dispensation

Parameters:

Model	BK-PR32	BK-PR48
Throughput	1-32	1-48
Processing Time	32 samples/10min	48 samples/16min
Sample Type	Plasma, serum, whole blood, swab solution and other samples	
Sample Rack	1Pcs, 3*12 with locking device (compatible with a variety of sampling tubes)	1Pcs, 6*8 with locking device (compatible with a variety of sampling tubes)
Robot Arm	1 pcs (Dispensation arm)	2 pcs (Dispensation arm and Screw cap arm)
Plate Position	2 pcs (Compatible with I-shaped and square boards)	3 pcs (Compatible with multi-specification deep-well plates)
Tip Position	3 pcs (Including tip waste box position)	
Reagent Rack	1 pcs (4*2ml centrifuge tube+4*2ml freezing tube+4*5ml freezing tube)	
Protective Function	Can be used in a biological safety cabinet External droplet catch tray design With air-tight and anti-drip design	
Liquid Detection	Pneumatic liquid level detection principle, intelligent detection of blocked needle	
Pipetting Volume	5-1000ul (1000/50ul Tip)	
Pipetting Accuracy	10ul, CV≤1.5%, Accuracy≤6.0%, 50ul Tip 50ul, CV≤1.0%, Accuracy≤2.0%, 1000ul Tip 100ul, CV≤0.5%, Accuracy≤2.0%, 1000ul Tip	
Power Supply	220V,50/60HZ;110V,60HZ	
External Size (W*D*H)	540*637*1113mm	827*794*1223mm
Net Weight	56kg	100kg
Package Size (W*D*H)	670*810*1314mm	Main instrument: 925*925*817mm; Base cabinet:1030*995*1045
Gross Weight	76kg	Main instrument: 115kg; Base cabinet:105kg

Nucleic Acid Extractor BNP32/BNP48



BNP32



BNP48

Operation Process:



Features:

- ① 7-Inch touch screen, easy to use, fast response
- ② User-defined cracking and elution temperature
- ③ UV disinfection fuction, time range 1min-24hour
- ④ Automatic control system, no need connect to computer
- ⑤ Free programming to meet the needs of different reagent
- ⑥ Open system, fully automatic, stable results and good repeatability
- ⑦ Extract rapidly 9~40 minutes , 32/48 samples can be extracted at the same time

Parameters:

Model	BNP32	BNP48
Sample Quantity	32	48
Processing Volume	60μL-1000μL	
Sample Volume	20-500μL	
Sample Throughput	1-32	48
Magnetic Bead Recovery	>98%	
Extracting the Difference Between Holes	CV≤3%	
Heating Temperature	8 independent heating modules, customize lysis and elution temperature (temperature range) according to your needs	
Oscillating Mixing	Low,medium and high three gears are adjustable, and the fluctuation range can be adjusted with the reagent volume	
Reagent Type	Magnetic bead open platform	
Extraction Time	8-60 min/round (depending on the reagent used)	
Internal Program	48 groups	50000 groups
Program Management	Powerful program editing capabilities to meet different reagent needs. U disk program import and export can be achieved	
Safety Door Design	After the safety door is opened,the program operation will be automatically suspended, and the program can continue to run after the safety door closed	
Built-in Air Duct	Yes	Yes
Ultraviolet Irradiation	Yes	
Package Size(W*D*H)	580*510*700mm	700*520*750mm
Gross Weight	51kg	80kg

Nucleic Acid Extractor BNP96&BNP96B



BNP96



BNP96B

Application:

Automatic nucleic acid extraction and purification system for the extraction of DNA or RNA from a variety of materials, such as whole blood, tissue, throat swab, etc., without centrifugation or filtration operation.

Features:

- ①. High purity extraction, easy to operate and fully automated.
- ②. High throughput, can process 1-96 samples at a time, save time.
- ③. With professional extraction kit, extraction process optimization.
- ④. With constant temperature function to ensure the best reaction temperature in the purification process.
- ⑤. Friendly operation interface, easy to understand, no external computer, no special training.
- ⑥. Compact appearance, solid material, long design life.



Genetic Screening (E.SNP)



Tissue Typing



Chip Technology



Transgene Screening



Paternity Testing



Forensic Testing



Microbiology Testing



Plant Molecular Biology Research

Parameters:

Model	BNP96	BNP96B
Screen	10.1 inch touch	
Sample Volume	20μl-1000μl	20μl-500μl
Sample Capacity	1-96	
Magnetic Bead Recovery	≥98%	
Extraction Time	Depending on the reagents	
Extracting the Difference Between Holes	CV≤3%	
Consumption	500W	
Operating Temperature	RT - 120℃	
Product Purity A260/A280	DNA≥1.7-2.0; RNA≥1.8-2.1	
Shock Mixing	Adjustable Speed	
Reagent Type	Open System for Magnetic Bead Method	
Program Storage	48 groups	
Safety Door Design	Safety door opened, the program operation will be automatically suspended, avoid cross-contamination	
Disinfection Method	UV Light, Aerosol adsorption	
Power Supply	AC100V-240V 50Hz/60Hz	
External Size(W*D"H)	770*530*540mm	770*502*540mm
Package Size(W*D"H)	910*670*780mm	
Gross Weight	95kg	86kg

Remark: For the UV lamp can be only 110V or 220V, pls. confirm the voltage before order.

Automatic Nucleic Acid Extraction System BK-HS32



Features:



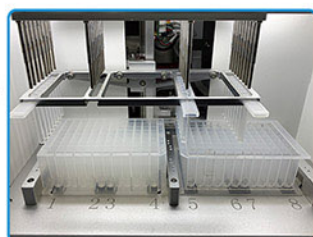
①. Friendly user interface:
Smart & Intelligent display.
With 10.1 inch LCD touch
screen, Windows operating
system.



②. Zero Aerosol Contamination
High efficiency HEPA filter and
Auto safety door protection function,
effectively prevent aerosol contamination.
HEPA filter and UV lamp replacement
alarm functions.



③. UV Sterilization Lamp
With manual or set automatic
opening time UV lamp,
sterilizing the operation area
easily and effectively.



④. Integrated Shaking & Heating Module
Mix deep wells while heating,
saving extraction time.



⑤. Concave design heating belt fits the
deep hole tube, ensure rapid and
uniform temperature rise, improve
the splitting and elution efficiency.

Parameters:

Model	BK-HS32
Extraction Method	Magnetic Beads
Sample Capacity	32
Processing Volume	20~1000μl
Extraction Time	15~60min
Magnetic Bead Recovery	≥98%
Extraction Difference Between Wells	< 3%
Magnetic Rod Flux	4500Gs
Temperature Range	Adjustable heating function, RT-100 °C
Oscillating Mixing	Vertical Mixing, low, medium, high three gears adjustable
Module Station	2
Protection Function	Star up self-checking, power off protection, high temperature alarm, over temperature protection, motor protection
Disinfection Method	8W UV Lamp
Illuminating Lamp	3.4W LED Lamp
Operation Interface	10.1 inch capacitive touch screen / Windows system
Barcode Scanning Function	Optional external barcode sanner
Project Storage	>1000
Interface	2 USB port, optional LAN port
Contamination Control	Class II HEPA filter can effectively filter the internal aerosol and prevent cross contamination
IAP Function	Firmware can be updated online at any time
Power Supply	AC100~240V 50Hz/60Hz
External Size(W*D*H)	450*440*532mm
Package Size(W*D*H)	538*538*750mm
Gross Weight	37kg

Automatic Nucleic Acid Extraction System BK-HS96



Application:

BK-HS96 is a high throughput, high sensitivity automatically extracted nucleic acid purification equipment, matching nucleic acid extraction kits is used to automatically complete the extraction of sample nucleic acid, flexible, stable result, low cost, equipped with efficient filtration device and safety gate design, it can effectively avoid cross infection and ensure the quality of nucleic acid extraction., guarantee the quality of nucleic acid.

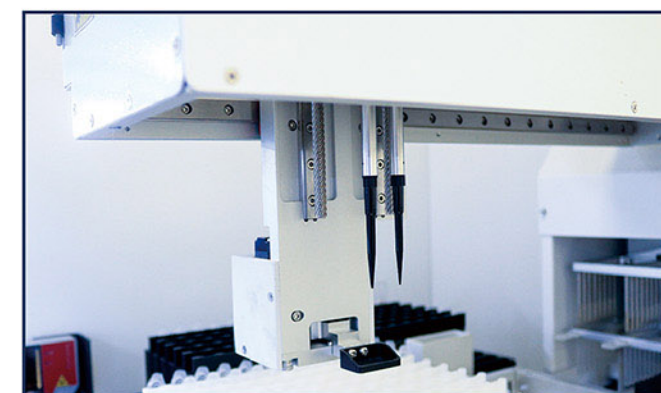
Features:

- ①. Display: 10.1 inch touch screen, easy to operate
- ②. Accurate temperature control and rapid temperature rise, can be adopted to actively reduce to room temperature and store samples in a short time at low temperature.
- ③. The module is integrated with shaking and heating, which can be mixed with shaking while heating, saving extraction time.
- ④. Equipped with ultraviolet disinfection lamp, HEPA high efficiency filter and safety door protection function, it can effectively prevent aerosol pollution.

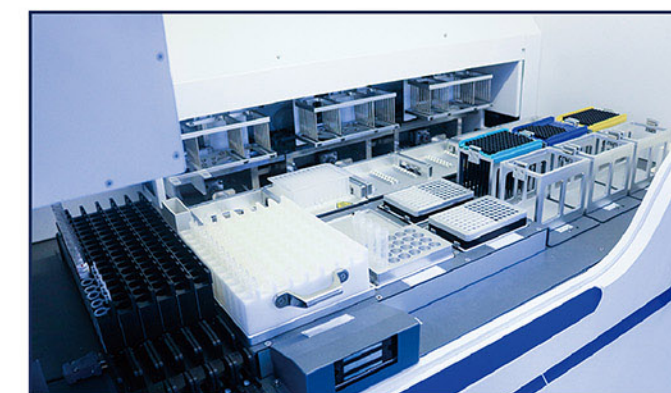
Parameters:

Model	BK-HS96
Nucleic Acid Extraction Method	Paramagnetic particle method
Sample Capacity	96-well
Sample Volume	20-1000ul
Extraction Time	11min-60min
Magnetic Bead Recovery	≥98%
Magnetic Flux of Bar	≥4500Gs
Operating Temperature	RT-105℃
Shock Function	Yes
Temperature Accuracy	0.1℃
Sample Protection Function	Power on self-check, power off protection, high-temperature alarm, over-temperature protection
Disinfection Method	UV Light
Safety Door Design	The instrument is suspended when the safety door is opened
Operating System	Windows system
Scanning	Optional
Storage	>1000
Interface	USB interface
Power Supply	AC100-240V 50Hz/60Hz
Package Size(W*D*H)	940*710*910mm
Gross Weight	110kg

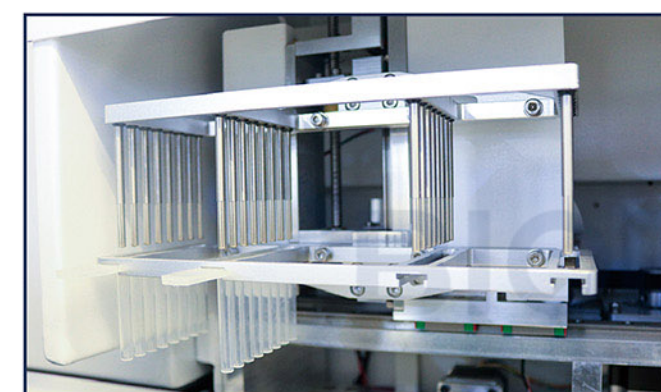
Automatic Nucleic Acid Extraction System BK-AutoHS96



Robotic Arm



Working Zone



Extraction Area



LCD Display

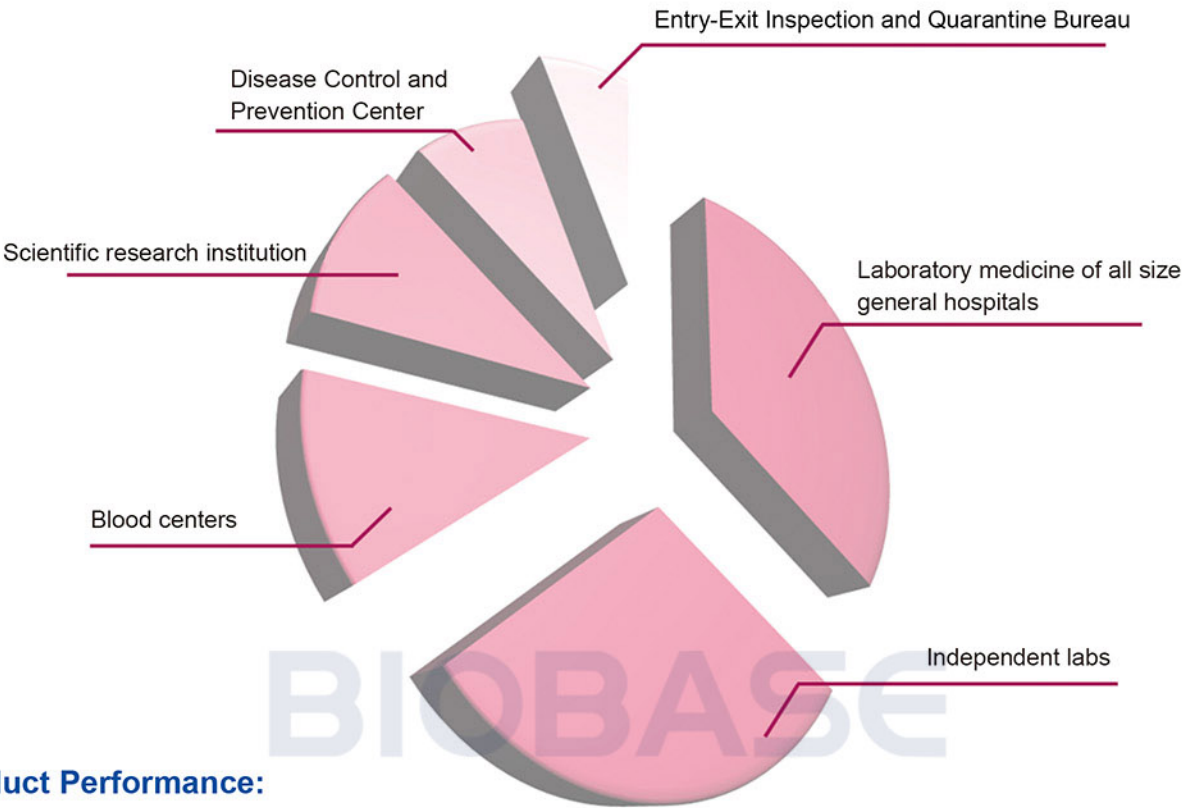
Feature:

- * Accurate pipetting, air pressure correction can adapt to extreme environments such as flat ground, plateau, island, etc., to ensure the accuracy of pipetting.
- * 96 samples can be processed within 60 minutes, realizing high-throughput processing of samples, saving time and effort.
- * Reagent position and PCR plate position, can be refrigerated at 4°C.
- * With high-efficiency filter, ultraviolet disinfection and sterilization, and safety door functions, effectively prevent microbial pollution.
- * Multi-threaded control and three-module extraction can run three different extraction programs at the same time.
- * Intelligent temperature control, over-temperature protection function.
- * Preset multiple experimental programs, strong compatibility, suitable for various types of sample graphic guides, visualized operations.
- * Nucleic acid products can be allocated to the 2*96 PCR reaction system to flexibly construct a variety of different PCR detection systems.

Introduction:

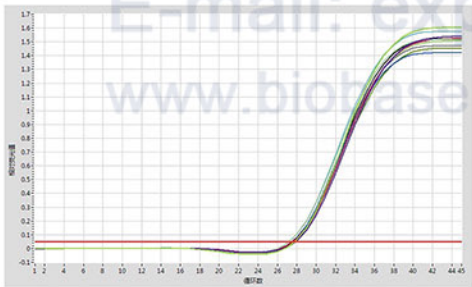
BK-AutoHS96 Automatic Nucleic Acid Extraction System is a fully automatic high-throughput equipment with automatic sample addition, nucleic acid extraction and PCR system configuration. With magnetic bead extraction reagents, it is suitable for automatic nucleic acid extraction and purification of 1-96 clinical samples of various types. The flexible automatic liquid handling function can accurately complete sample loading and reagent distribution according to requirements. Humanized software design, simple operation, no manual steps, greatly improving work efficiency.

Application:



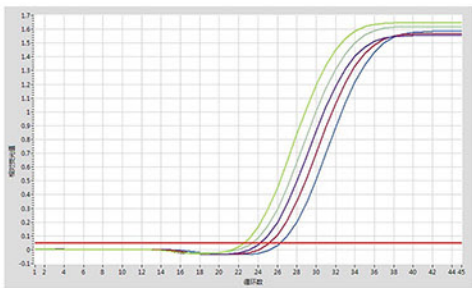
Product Performance:

Precision



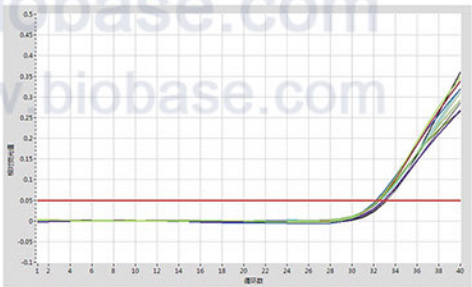
The same HCV samples were repeatedly extracted for 10 times and analyzed by qPCR. CV<3%

Linear



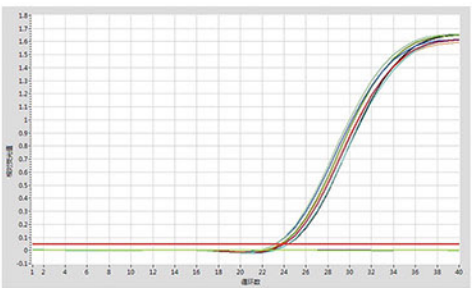
The HCV positive samples were diluted with equal dilution, and the linear correlation coefficient was $R^2 > 0.98$

Sensitivity



The HCV samples with the concentration of 151U/mL were extracted, and the detection rate was 10/10

Cross Contamination



HCV positive and negative samples were cross-extracted without cross-contamination

Parameters:

Model	BK-AutoHS96
Extraction Method	Magnetic Bead Method
Working Mode	Automatic sampling + Nucleic acid extraction + PCR reaction system addition
Throughput	1-96, Linear slide type sample rack
Extraction Volume	20-1000ul
Processing Time	Complete the processing of 96 samples within 60 minutes (related to reagents)
Magnetic Bead Recovery	≥98%
Temp Range	RT-105°C, Lysis and elution position
Temp Accuracy	0.1°C
Heating Method	Dry bath heating
Heating Speed	RT-100°C≤6min
Shaking Function	Up and down oscillation (1-5 gears adjustable)
Extraction Position	6 (96-well deep well plate)
Robotic Arm	A robotic arm for adding samples and reagents
Pipetting Channel	2 Channel
Liquid Detection	Pneumatic liquid level detection principle, intelligent detection of blocked needle
Pipetting Tip	50ul,200ul,1000ul, Disposable black conductive needle with filter element
Tip Amount	2-3 Tips/sample
Pipetting Accuracy	10ul, CV≤3.0%, Accuracy≤5.0%, 50ul Tip 50ul, CV≤2.0%, Accuracy≤2.0%, 1000ul Tip 100ul, CV≤1.5%, Accuracy≤2.0%, 1000ul Tip
Sample Volume	2-1000ul
Working Zone	2 PCR positions with cooling function; 6 Tip positions for three types of Tips 2 Reagent positions (5ml freezing tube rack position with cooling function, one reserved position)
Protective Function	Start up self-test, Power-off protection, High temperature alarm, Over-temperature protection, Tip removal protection
Disinfection Method	UV lamp (30W*1, 8W*1)
Illumination Lamp	10W LED lamp
Audible Alarm	Yes (Red and blue blinking)
Safety Door Design	With safety lock function, the safety door is opened and the program is suspended
Display	10.1inch touch screen, Windows System
Scanning	Optional
Interface	LAN interface (Bi-direction LIS optional)
Contamination Control	Built-in air duct and HEPA filter can effectively filter internal aerosols and prevent cross-contamination
IAP Function	Firmware can be upgraded online at any time
Power Supply	110/220V,50/60Hz
External Size (W*D*H)	1420*850*1842mm
Package Size (WD*H)	1535*970*1180mm (Main instrument) 1540*970*1160mm(Base)
Gross Weight	360kg(Main instrument); 190kg(Base)

Multi-type Sample DNA/RNA Extraction-Purification Kit (Magnetic Beads Method)



Application:

The magnetic beads and buffer system with unique separation effect can be used to extract high-purity viral DNA/RNA from samples quickly, highly sensitively and efficiently.

The extracted and purified nucleic acid can be used in various common downstream experiments such as restriction digestion, reverse transcription, PCR, RT-PCR, Southern blot, etc.

Method Advantage:

- ①. Safe and efficient
- ②. Less time requirement

Extraction process:

Add lyse- add magnetic bead- separate magnetic bead-washing- Separate magnetic

Product advantage:

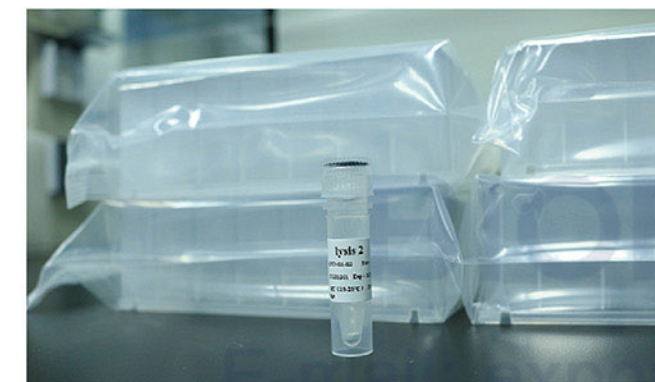
- ①. High sensitivity: High-quality nucleic acid can be extracted after the positive samples are diluted by 10^4
- ②. Good repeatability: Good repeatability of extracting the same sample



Reagent For BNP32/48



Reagent For BK-HS32/AutoHS96



Reagent For BNP96



Reagent For BK-HS96

Parameters:

Name	Specification	Note Mark
Nucleic Acid Extraction Kit I	50T/Box	Manual
Nucleic Acid Extraction Kit II	32T/64T/96T/Box	Auto for BK-HS32
Nucleic Acid Extraction Kit III	96T/Box	Auto For BK-HS96
Nucleic Acid Extraction Kit IV	96T/Box	Auto for BNP96
Nucleic Acid Extraction Kit V	64T/Box	Auto for BNP-32&48
Nucleic Acid Extraction Kit VI	96T/Box	Auto for BK-AutoHS96

Fluorescent Quantitative Detection System LEIA-X4



Introduction:

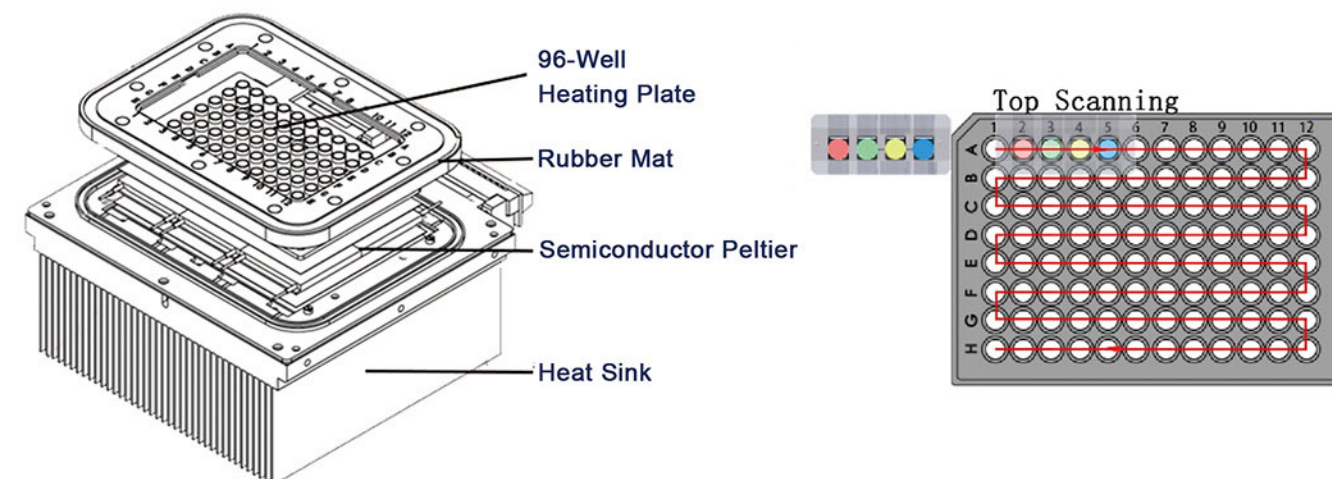
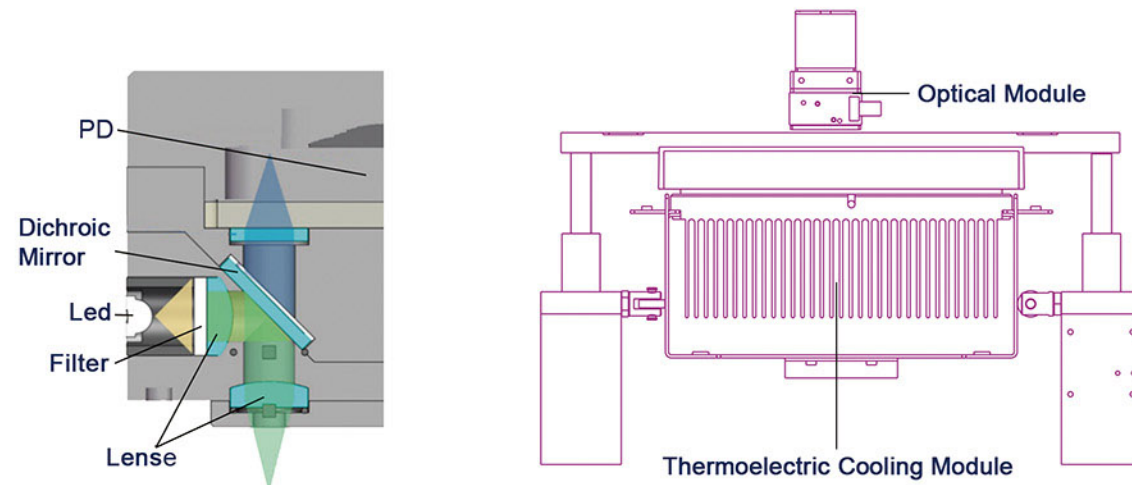
Real-time PCR is used for sensitive, specific detection and quantification of nucleic acid targets. We have developed powerful assay design algorithms, optimized qPCR reagent, intuitive data analysis software, and flexible instrumentation to help harness the power of qPCR across a rich and diverse set of applications. Explore our robust solutions for your qPCR-based research.

Application:

It can be widely used for Infectious disease research, Food pathogen detection, Waterborne pathogen detection, Pharmaceutical analytics, Stem cell research, Pharmacogenomics research, Oncology and genetic disease research, Plant sciences and agricultural biotechnology.

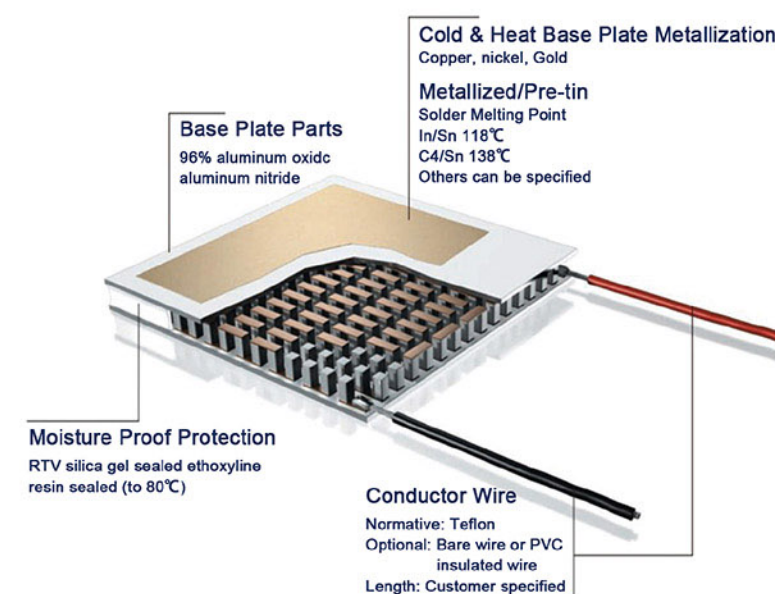
Working Principle:

The temperature step change is controlled by the semiconductor peltier to realize PCR amplification. Use high-sensitivity PD unit to detect fluorescence; Program control channel switching, non-contact excitation/detection on the top structure, coordinated with motor control x and Y axis movement to achieve 96-hole scanning. Finally, accurate analysis is carried out through powerful software.



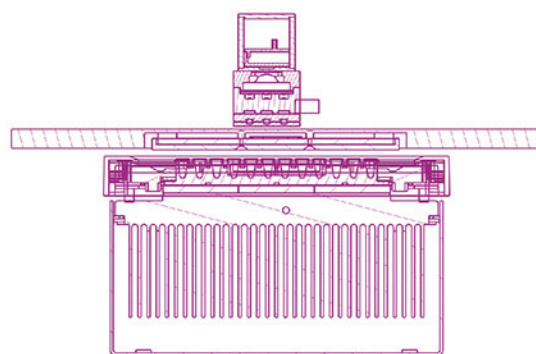
Features:

- * Excellent temperature control performance of the instrument, the maximum temperature rise and fall $\geq 7.0^{\circ}\text{C/s}$.
- * No edge effect, no optical path correction, top excitation/detection, non-contact measurement.
- * Fluorescence detection adopts PD sensor with high sensitivity.
- * Long-life LED light source, stable emission wavelength, maintenance-free.
- * 4-channel fluorescence detection, no cross interference between channels.
- * User-friendly and fully functional software, flexible program setting, comprehensive analysis and reporting functions, all the parameters can be stored.



Real-time PCR Hardware:

Thermoelectric cooling module (TEM) is a semiconductor device composed of many tiny and effective heat pumps. By applying a low-voltage DC power supply, heat will be transferred from one side of the TEM to the other side, resulting in a phenomenon that one side of the TEM becomes hot and the other side becomes cold. Since this phenomenon is completely reversible, when the polarity of the DC power supply is changed, it will be affected. Shift in the opposite direction. This product adopts a long-life series TEM, which provides longer life and more efficiency during thermal cycling.



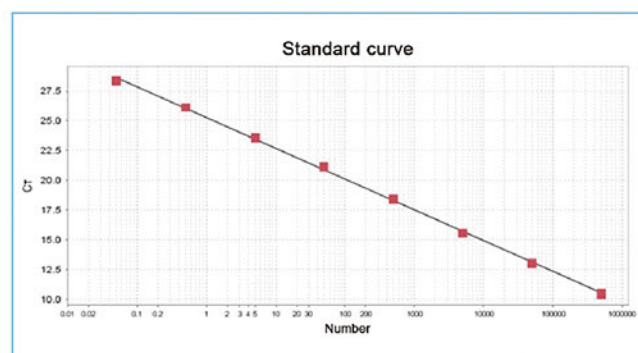
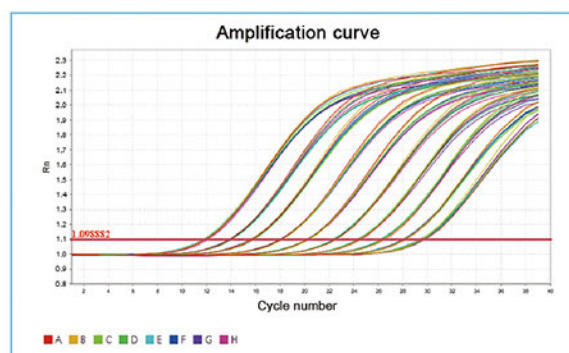
The integrated design of the scanning module and the heating cover module, relying on its own gravity to compress the heating plate and the reagent cover, and is supported by four compression springs to prevent the sample tube from being crushed; at the same time, the rubber pad around the heating cover is pressed to ensure that there is no external light source interference in the detection ; The bottom of the cam mechanism is used to support the spacing to ensure the smooth sliding of the heating module; the guide rail mechanism on both sides of the heating module prevents the module from shifting and ensures the accuracy of the mechanical scanning structure.

Real-time PCR Software:

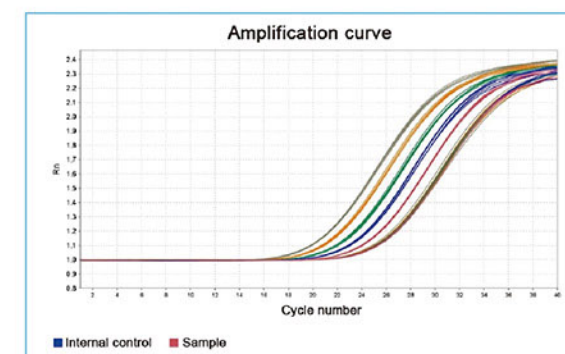


The software includes functions such as absolute quantification experiment, melting curve experiment, relative quantification (AACT) experiment, and genotyping experiment. Enter the attribute setting interface and select different function modules. Guided flow operation, convenient for users to quickly complete experimental settings. The software can open the recent experiment record template for easy viewing of recent experiments and the creation of new experiments.

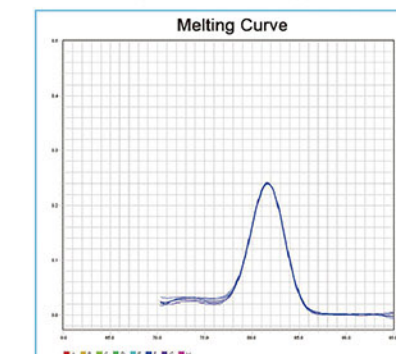
Absolute Quantification Experiment:



Relative Quantification (AACT) Experiment:



Melting Curve Experiment:



Parameters:

Model	LEIA-X4			
Sample Capacity	96*0.1ml PCR plate, 12*8-strip tubes, 96*0.1ml single tube (Transparent Cover)			
Reaction System	10~50μl			
Dynamics Range	1-10 ¹⁰ copies			
Channel	4			
Emission Light	LED			
Detector	PD			
Detection Path	F1	F2	F3	F4
Suitable Probe/Dye	FAM/SYBR GREEN	VIC/JOE/ HEX/TET	ROX/TEXAS-RED	Cy5
Excitation Wavelength	455~645nm			
Detection Wavelength	510~710nm			
Fluorescence Detection Repeatability	CV≤2%			
Fluorescence Detection Accuracy	CV≤3%			
Fluorescence Detection Linearity	r≥0.995			
Module Temp. Range	4-105℃(resolution:0.1℃)			
Ramp Rate	7.0℃/s(max)			
Temp. Accuracy	±0.3℃			
Temp. Uniformity	≤ ±0.3℃			
Temp. Control Mode	Block mode			
Hot-Lid Temp. Range	30-110℃ (resolution:0.1℃)			
Scanning Mode	Full plate scanning			
Programming	Max 100 Segments for Each Program, Max 99 Cycles			
Operation Mode	Continuous			
Scanning Time	8.5s			
Special Function	Absolute quantitative automatic analysis, relative quantification, melting curve analysis, etc.			
Operation System	Microsoft: Windows10x64			
Power Supply	AC 100V~240V,50/60Hz			
Dimension(L*W*H) Mm	375*505 *375			
Port Method	USB Port			
Packing Size(L*W*H) Mm	645*565*605			
Gross Weight	48 kg			

Novel Coronavirus (2019-nCoV) Nucleic Acid Detection Kit (Fluorescence PCR)



Introduction:

This product selects the ORF1ab and N gene regions of 2019-novel coronavirus, and designs two sets of specific primers and fluorescent probes that cover two sites of the gene at the same time. In order to control the entire extraction and detection process, human β -Globin gene was act as a non-competitive internal control during the extraction and detection process. The RT-PCR reaction solution is pre-mixed, which is convenient, efficient and easy to operate. It utilizes high-efficiency Taq DNA Polymerase and has strong stability. The kit could be used for auxiliary diagnosis and epidemiological surveillance of 2019-novel coronavirus infection.

Application:

Medical and health industry, food industry, biological industry, scientific research, etc.

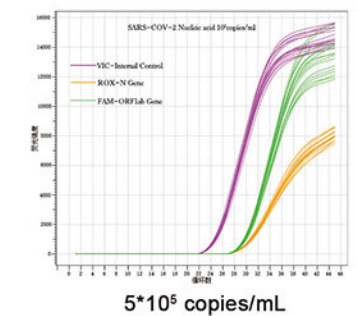
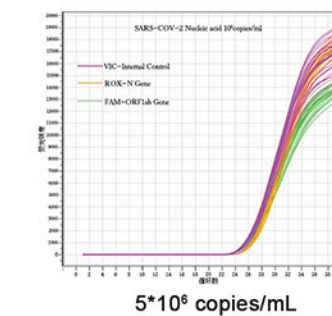
Advantage:

- ① Internal control: Human β -Globin gene as the internal control is included into the reagent to verify the validity of the experiment.
- ② High sensitivity: The lowest detection limit is 500 copies/ml.
- ③ High specificity: Primers and probes are designed for specific fragments of two gene regions, which confirm each other to make the results more accurate. No cross-reactivity with other pathogens with the same site of infection or similar infection characteristics.
- ④ Strong stability: CV of each channel is all <3%.
- ⑤ Multiple Real-time RT-PCR detection: Each channel does not interfere with each other, and the amplification curve is S-shaped.
- ⑥ Simple operation: one-step method to complete RT-PCR, The whole procedure can be detected within 80min.
- ⑦ Fast speed: The PCR amplification time is less than 80 minutes.

Experimental Data:

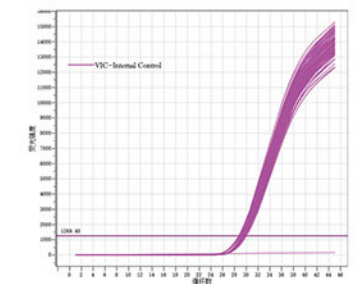
1.Repeatability experiment:

2019-nCoV nucleic acid samples at the concentration of 5×10^6 copies/mL and 5×10^5 copies/mL were tested by the 2019-nCoV RT-qPCR detection kit to verify the stability of the detection kit. The results are as follows:



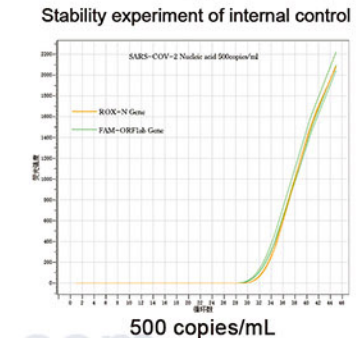
2.Repeatability experiment of internal control:

Repeat 96 times for the same negative sample on the BNP96 nucleic acid extraction system, and tested by the 2019-nCoV RT-qPCR detection kit to verify the stability of the internal control, The results are as follows:



3.Repeatability experiment of lower limit:

2019-nCoV nucleic acid samples at the concentration of 500 copies/mL were tested by the 2019-nCoV RT-qPCR detection kit to verify the stability of the lower limit. The results are as follows:

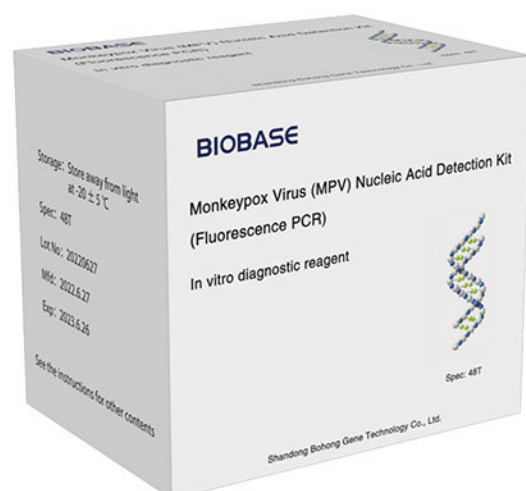


Parameters:

Product Name	Novel Coronavirus (2019-nCoV) Nucleic Acid Detection Kit (Fluorescence PCR)
Detection Principle	Fluorescence PCR
Detection Target	Novel coronavirus (2019-Ncov) ORF1ab and N gene
Applicable Instrument	Fluorescence quantitative PCR instrument
Storage Conditions	-20±5°C, keep away from light
Valid Period	Unopened ≥6 months; Opened≥90 days
Sample Volume	7ul
Reaction Volume	20ul
Detection Limit	500 copies/ml
Stability	CV <3%
Interpretation of Positive Results	CT≤38
Packing Specification	48T/box; 60 boxes/carton
Packet Size	500*500*500mm
Gross Weight	23kg

* Not Available in the U.S

Monkeypox Virus (MPV) Nucleic Acid Detection Kit (PCR-Fluorescence Probe Method)



Application:

It is applied to the monitoring and auxiliary diagnosis of monkeypox virus. The application scenarios mainly include hospitals, CDC, scientific research institutions, and third-party medical testing laboratories recognized by health administrative agencies.
(Not Available in the U.S)

Introduction:

Monkeypox is a zoonotic disease caused by the monkeypox virus, which can be transmitted from animals to humans as well as from human to human. Monkeypox symptoms often include fever, severe headache, muscle aches, swollen lymph nodes, skin lesions, and more. According to the World Health Organization, more than 50 countries and regions around the world have reported confirmed cases of monkeypox. There is currently no cure for monkeypox, and the World Health Organization urges countries to strengthen surveillance and testing of the infectious disease.

This product is based on real-time fluorescent PCR technology, selects the highly conserved region of the monkeypox virus gene coding region as the target region, designs specific primers and fluorescent probes for PCR amplification, and performs PCR amplification on patient serum and lesion leaching fluid (vesicular fluid, pustule fluid) Qualitative detection of monkeypox virus DNA in It is suitable for auxiliary diagnosis of related diseases caused by monkeypox virus infection.

Features:

Internal Control: the kit contains Internal Control, which is involved in nucleic acid extraction and PCR detection to avoid false negative results

Control: Both negative and positive control in the kit need to be extracted for environmental monitoring and quality control of PCR detection reagents

High Sensitivity: The detection limitation is 200 copies/ml

High Specificity: No cross reaction with other pathogens

Fast Speed: Nucleic acid extraction completed within 10 minutes, and the PCR amplification time is less than 1 hour

Certificate: CE declaration of conformity

Parameters:

Product Name	Monkeypox Virus (MPV) Nucleic Acid Detection Kit (PCR-Fluorescence Probe Method)
Detection Principle	Fluorescence PCR
Detection Target	Monkeypox Virus F3L gene
Sample Types	Serum or lesion exudate samples
Applicable Instruments	ABI7500、LEIA-X4、FQD-96A, etc
Storage	-20±5°C
Valid Period	12 Months
Reaction Volume	25ul
Detection Time	<60 min
Detection Limit	200 copies/ml
Packing Specification	24T/box or 48T/box or 96T/box; 90 boxes/carton
Packet Size (L*W*H)	500*500*500mm
Gross Weight	24kg(24T/box); 25.5kg(48T/box); 28kg(96T/box)

5-Part Auto Hematology Analyzer BK-6310



Features:

- ①. Throughput: 60T/H.
- ②. 14 inch touch screen.
- ③. Tri-angle laser scatter + flow cytometry method + impedance method for counting.
- ④. 3D holographic scattergram displays the accurate 5 part differentiation of WBC.
- ⑤. Large storage capacity: 100,000 results (including histogram, scattergram, patient information).

Parameters:

Model	BK-6310			
Throughput	60 Tests/hour			
Assay Items	5 parts, 29 parameters, 3 histograms, 3D scattergram			
Principle	Tri-angle laser scatter, Flow cytometry method, 3D scattergram analysis, Impedance method for RBC and PLT counting, Cyanide free reagent for HGB test			
Test Mode	CBC mode, CBC+DIFF mode Venous whole blood, Capillary whole blood and Prediluted			
Parameters	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS# 4 Research parameter: ALY%, ALY#, IG%, IG#			
Performance	Item	Linearity range	Carry Over	CV
	WBC	0~300*10 ⁹ /L	≤ 0.5%	≤ 2.0%
	RBC	0~8.00*10 ¹² /L	≤ 0.5%	≤ 1.5%
	HGB	0~250g/L	≤ 0.5%	≤ 1.5%
	PLT	0~3000*10 ⁹ /L	≤ 1.0%	≤ 4.0%
Sample Volume	CBC+DIFF mode: ≤20μl CBC mode: ≤10μl			
Storage	100,000 results including histogram, scattergram and patient information			
Interface	4 USB ports, 1LAN port Bi-direction LIS, support HL7 protocol, Internal RFID reader			
Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz; 400VA			
Package Size(W*D*H)	670*590*790mm			
Gross Weight	53kg			
Reagent Package Size	330*330*330mm, 400*290*240mm, 400*290*240mm			
Reagent Gross Weight	22kg, 2kg, 1kg			

Auto Hematology Analyzer BK-3100



Features:

- ① 9.7-inch color touch LCD screen, easy to operate, display all parameters and histograms on the same screen.
- ② Fewer samples are required for testing: whole blood≤10ul, pre-diluted≤20ul.
- ③ 60 samples/hour.
- ④ 21 parameters + 3 histograms.
- ⑤ It can be turned on continuously for 24 hours.
- ⑥ Automatically clean the sampler, counting pool and pipeline after starting up.
- ⑦ Built-in thermal printer, external printer can be connected.
- ⑧ Electrical impedance method, cyanide-free detection of HGB.
- ⑨ Fully intelligent blockage removal and alarm function.
- ⑩ Both automatic calibration and manual calibration are available.
- ⑪ Counting Mode: Venous, capillary, prediluted.
- ⑫ Support LIS system.

Technical Parameter:

Model	BK-3100					
Throughput	60 samples/hour					
Principle	Impedance for WBC differentiation and WBC/RBC/PLT count; Colorimetric method for HGB					
Channels	2					
Parameters	21 parameters(including WBC, Mid#, Lym#, Gran#, Mid%, Lym%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC,RDW-SD, RDW-CV, PLT, MPV,PDW,PCT, P-LCR,P-LCC)					
Histograms	3 histograms (including WBC, RBC, PLT histograms)					
Sample Volume	Whole blood: 10μl, Prediluted: 20μl					
Calibration	Manual, auto calibration					
Counting Modes	Venous, capillary, prediluted					
Printing Model	Auto print, manual print					
LIS	Support Bi-directional LIS					
Language	Chinese, English, Spanish, French, Russian, Ukrainian					
Reagent	Diluent 20L, Hemolytic agent 500ml, Probe cleanser: 50ml					
Data Input	9.7-inch touch screen, mouse, keyboard (optional)					
Output	Internal printer, support external printer					
Printer Paper	57*30mm					
Interface	4 USB ports, network port,RS232 serial port					
Storage	100,000 results with histogram					
Unclog	High voltage burn, reverse high-pressure flush					
Work Temperature	15-30°C					
Power Supply	100~240 AC, 50/60Hz, 150VA					
Relative Humidity	30%~85%					
Atmospheric Pressure	70.0kPa~110.0kPa					
Carry-Over Rate	Parameter	WBC	RBC	HGB	PLT	
	CV	≤ 1.5%	≤ 1%	≤ 1%	≤ 3%	
Background	Parameter	WBC	RBC	HGB	HCT	PLT
	Background	≤ 0.3*10 ⁹ /L	≤ 0.03*10 ¹² /L	≤ 1 g/L	≤ 0.5%	≤ 10*10 ⁹ /L
Linearity	Parameter	Measurement range		CV		
	WBC	(0.5~10.00*10 ⁹)/L	(10.10~99.9*10 ⁹)/L	(±0.5*10 ⁹)/L	±5%	
	RBC	(0.05~1.00*10 ¹²)/L	(1.01~9.99*10 ¹²)/L	(±0.05*10 ¹²)/L	±5%	
	HGB	(2~70g)/L	(71~300.0g)/L	(±2.0g)/L	±2%	
	PLT	(10~100*10 ⁹)/L	(101~999*10 ⁹)/L	(±10.0*10 ⁹)/L	±8%	
Precision	Parameter	Whole blood (CV)	Pre-diluted (CV)	Measurement range		
	WBC	≤ 2.0%	≤ 4.0%	(4.0-15.0*10 ⁹)/L		
	RBC	≤ 1.6%	≤ 3.0%	(3.5-6.0*10 ¹²)/L		
	HGB	≤ 1.6%	≤ 3.0%	(110.0-180.0g)/L		
	MCV	≤1.0%	≤2.0%	(70.0-120.0)fL		
	PLT	≤ 4.0%	≤8.0%	(150.0-500.0*10 ⁹)/L		
External Size(W*D*H)	295*467*418mm					
Packed Size(W*D*H)	Instrument: 404*564*616mm; Reagent: 480*480*480mm					
Net Weight	19 kg					
Gross Weight	Instrument: 31kg; Reagent: 25 kg					

Electrolyte Analyzer BKE



Introduction:

BKE series electrolyte analyzer adopts advanced ion selective electrode measurement technology, which can directly measure the concentration of K⁺, Na⁺, Cl⁻, Ca²⁺ and pH in serum, plasma, whole blood, cerebrospinal fluid and diluted urine. It is a fast, accurate, convenient and practical clinical testing instrument.

Features:

- ① The software supports automatic potential tracking correction to ensure stable performance.
- ② Automatic monitoring and filtering of tiny air bubbles to ensure measurement accuracy.
- ③ Wave flushing and pipeline flushing can avoid blockage and cross-contamination.
- ④ Power-off protection, can protect data storage, the result can be stored up to 50,000.
- ⑤ Low consumption, effectively reducing the cost of consumables.
- ⑥ 7-inch high-definition touch screen, comprehensive content display.
- ⑦ With the function of automatic fault alarm and elimination, improve work efficiency.

Parameters:

Model	BKE Series
Sample	Serum, plasma, whole blood, cerebrospinal fluid and dilute urine
Measuring Speed	≤25s
Analysis Method	Ion selective electrode (ISE)
Sample Volume	60~150ul
Sample Position	26 sample positions, 5 emergency positions, 2 QC positions
Injection Mode	Manual or automatic injection can be selected
Storage	Up to 50,000 test results
Printer	Build-in thermal printer
Interface	RS232 port for LIS
Display	7-inch high-definition touch screen
Language	Chinese and English, other languages can be customized
Calibration	Automatic and Manual calibration
Other Function	Sample volume detection
Power Supply	AC110~240V,50/60Hz, 100W
Temperature	10~30°C
Relative Humidity	≤ 80 %
Atmospheric Pressure	86~106 kPa

Model	BKE-A	BKE-B	BKE-C	BKE-D
Test Items	K ⁺ , Na ⁺ , Cl ⁻	K ⁺ , Na ⁺ , Cl ⁻	K ⁺ , Na ⁺ , Cl ⁻ , iCa ²⁺ , nCa ²⁺ , TCa ²⁺ , pH	K ⁺ , Na ⁺ , Cl ⁻ , iCa ²⁺ , nCa ²⁺ , TCa ²⁺ , pH
Sample Tray	No	Yes	No	Yes
External Size(W*D*H)	396*202*434mm	668*276*434mm	396*202*434mm	668*276*434mm
Net Weight	8.2kg	11.9kg	8.2kg	11.9kg
Package Size(W*D*H) mm	Instrument:390*500*530 Reagent:215*160*130	Instrument:390*500*720 Reagent:215*160*130	Instrument:390*500*530 Reagent:215*160*130	Instrument:390*500*720 Reagent:215*160*130
Gross Weight (kg)	Instrument:13 Reagent:1.8	Instrument:17.5 Reagent:1.8	Instrument:13 Reagent:1.8	Instrument:17.5 Reagent:1.8

Items	Measuring Range	Resolution
K ⁺	0.5-20.0mmol/L	0.01 mmol/L
Na ⁺	15-200mmol/L	0.1 mmol/L
Cl ⁻	15-200mmol/L	0.1 mmol/L
Ca ²⁺	0.1-6.0mmol/L	0.01 mmol/L
pH	4-9pH	0.01 pH

Reagent for Electrolyte Analyzer (ISE)



Features:

- ①. High quality raw materials.
- ②. Stable performance.
- ③. Long shelf life.
- ④. Multiple specifications optional.

Parameters:

Product Name	Reagent for Electrolyte Analyzer (ISE)
Component	Drift correction solution A:350ml; Slope correction solution B:350ml Electrode Activation Fluid:100ml; Cleaning Fluid E:100ml Internal correction solution:100ml Electrode cleaning Fluid (protease): Protease:25mg*5; Diluent :5mL*1 Filling solution in electrode:3ml*1; Reference solution:10ml*2
Precision	Repeatability CV≤3%; Batch variations R≤3%.
Accuracy	Relative deviation≤±5%
Linearity	r≥0.990
Package Size(L*W*H) mm	215*160*130
Gross Weight(kg)	1.8

Blood Coagulation Reagent

Activated Partial Thromboplastin Time (APTT) Assay Kit



Application:

Activated partial thromboplastin time (APTT) is a screening test to check endogenous coagulation factors, and is used to confirm the deficiencies of congenital or acquired coagulation factors VI, IX, XI or the presence of their corresponding inhibitors; At the same time, APTT can also be used to confirm the deficiency of coagulation factor XI, prokallikrein and high molecular weight prokallikrein; due to the high sensitivity of APTT and the action pathway of heparin is mainly the endogenous coagulation pathway, APTT has become the preferred indicator for monitoring unfractionated heparin, with a ratio of 1.5-2.5 being the best.

This kit is used for the determination of activated partial thromboplastin time in human plasma in vitro for auxiliary diagnosis.

Features:

- ①. Convenient and efficient.
- ②. High accuracy.
- ③. Good repeatability.

Parameters:

Product Name	Activated Partial Thromboplastin Time (APTT) Assay Kit	
Component	Reagent: 2ml*10, 2.5ml*10, 4ml*10	
	CaCl ₂ : 25ml*1, 30ml*1, 45ml*1	
Reagent Performance	QC (normal, abnormal): 0.5 mL*1, 1.0 mL*1	
	Reference Range	≤35s
	Repeatability	CV≤5%
QC Performance	Batch Variations	R≤10%
	In-bottle Uniformity	CV≤10%
	Uniformity between Bottles	CV≤10%

Prothrombin Time (PT) Assay Kit



Application:

Prothrombin time is a screening test for exogenous coagulation factors, which is used to confirm the presence of congenital or acquired defects or inhibitors of fibrinogen, prothrombin, and coagulation factors V, VII, and X; At the same time, it is used to monitor the dosage of oral anticoagulants, which is the preferred indicator for monitoring oral anticoagulants. It can also be used as a detection index for the function of hepatic protein synthesis.

This kit is used for the determination of prothrombin time in human plasma in vitro for auxiliary diagnosis.

Features:

- ①. High precision.
- ②. Stable performance.
- ③. Strong anti-interference.

Parameters:

Product Name	Prothrombin Time (PT) Assay Kit	
Component	Reagent: 2ml*10, 2.5ml*10, 4ml*10	
	Reconstitution solution: 25ml*1, 30ml*1, 45ml*1	
Reagent Performance	QC (normal, abnormal): 0.5 mL*1, 1.0 mL*1	
	Reference Range	≤14s
	Repeatability	CV≤5%
QC Performance	Batch Variations	R≤10%
	In-bottle Uniformity	CV≤10%
	Uniformity between Bottles	CV≤10%

Blood Coagulation Reagent Thrombin Time (TT) Assay Kit



Application:

TT reflects the level of fibrinogen in plasma and the amount of heparin-like substances in plasma. TT decreased when fibrinogen increased and fibrinogen decreased, otherwise TT increased. Can be used for the detection of heparin dosage. This kit is used to measure thrombin time in human plasma samples in vitro.

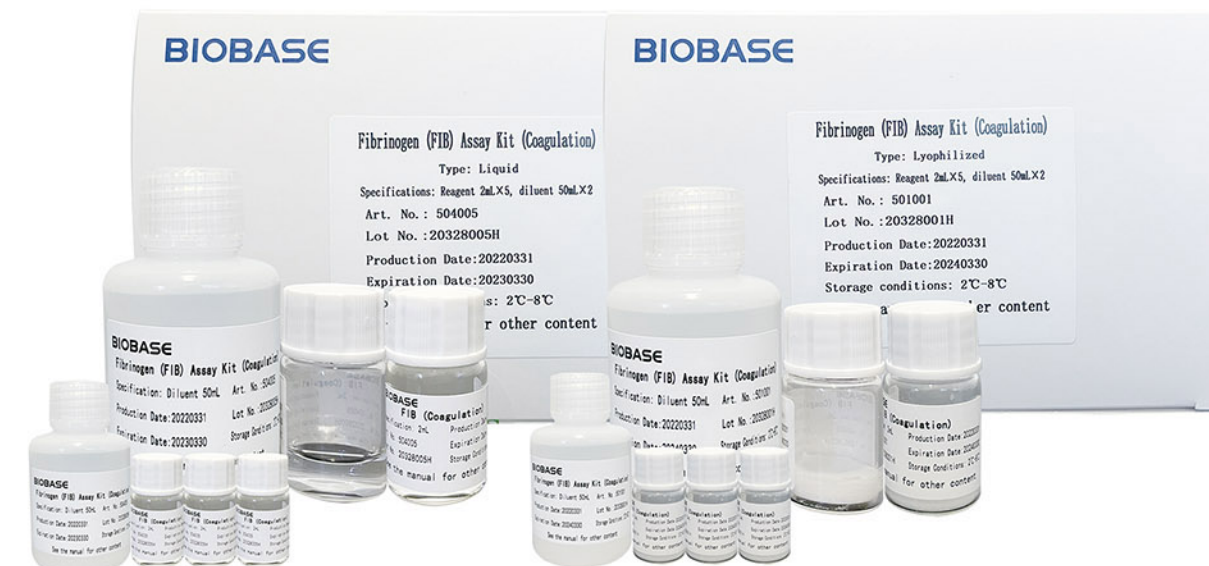
Features:

- ①. Good stability.
- ②. Complete specifications.
- ③. High precision.

Parameters:

Product Name	Thrombin Time (TT) Assay Kit	
Component	Reagent: 2ml*10, 2.5ml*10, 4ml*10	
	Reconstitution solution: 25ml*1, 30ml*1, 45ml*1	
Reagent Performance	QC (normal, abnormal): 0.5 ml*1, 1.0 ml*1	
	Reference Range	≤20s
	Repeatability	CV≤5%
QC Performance	Batch Variations	R≤10%
	In-bottle Uniformity	CV≤10%
	Uniformity between Bottles	CV≤10%

Fibrinogen (FIB) Assay Kit



Application:

Fibrinogen is the main protein in the coagulation process. In addition to the stress response under physiological conditions and the third trimester of pregnancy, FIB increase mainly occurs in acute infections, burns, atherosclerosis, acute myocardial infarction, autoimmune diseases, multiple Myeloma, diabetes, pregnancy-induced hypertension and acute nephritis, uremia, etc.; FIB reduction is mainly seen in DIC, primary hyperthyroidism, severe hepatitis, liver cirrhosis and thrombolytic therapy. This kit is used to quantitatively determine the content of fibrinogen in human plasma in vitro for auxiliary diagnosis.

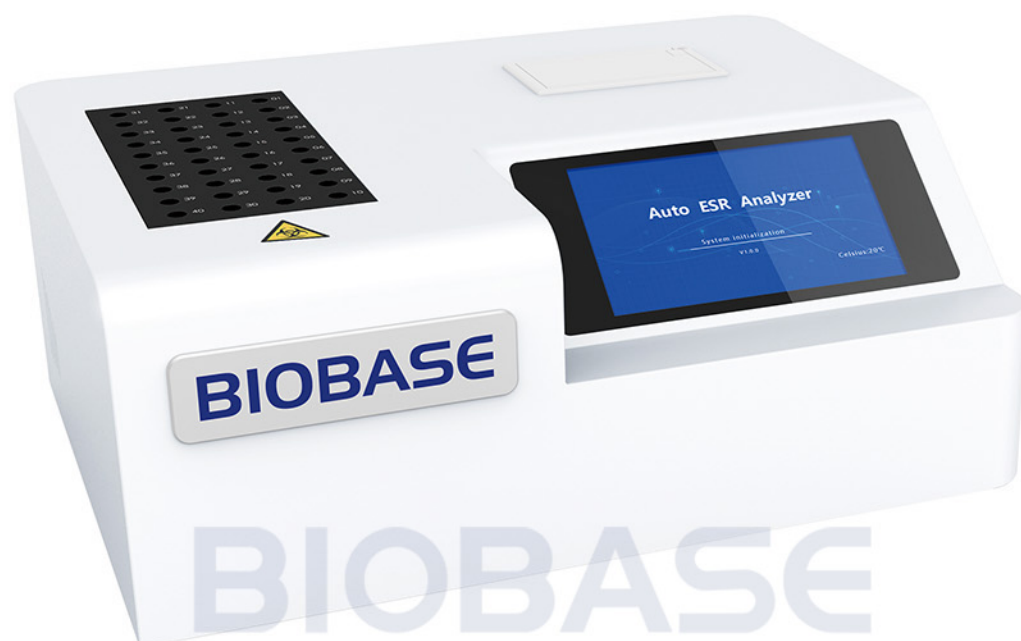
Features:

- ①. Stable performance
- ②. Good precision
- ③. Easy to transport

Parameters:

Product Name	Fibrinogen (FIB) Assay Kit	
Component	Reagent: 2ml*5, 2.5ml*5, 1ml*10	
	Diluent: 50ml*2	
	Calibrator: 0.5 ml*1, 1.0 ml*1	
	QC (normal, abnormal): 0.5 ml*1, 1.0 ml*1	
Reagent Performance	Accuracy	R≤ 15%
	Linearity	R> 0.98 @ 80~500mg/dl
	Repeatability	CV≤8%
	Batch Variations	CV≤15%
Calibrator Performance	Correctness	En ≤1
	In-bottle Uniformity	CV≤10%
	Uniformity between Bottles	CV≤10%
QC Performance	In-bottle Uniformity	CV≤10%
	Uniformity between Bottles	CV≤10%

Auto ESR Analyzer BK-ESR40



Introduction:

ESR testing has important guiding significance for many clinical diseases, but the traditional standard Westergren method has complicated operation, low work efficiency and large cross-contamination. Automatic ESR analyzer uses advanced infrared light color difference interpretation technology to automatically scan the whole process of red blood cell sedimentation within 30 minutes for the sample of the vacuum blood collection tube, and refer to the Westergren method to measure the standard curve to obtain accurate results.

Application:

Applicable to hospital inspection departments, medical laboratories, research institutes, universities, disease control centers, etc.

Features:

- ①. 7-inch color touch LCD screen, easy to operate, high resolution.
- ②. 80 samples/hour, rapid detection.
- ③. Randomly insert sample positions for testing at any time.
- ④. Built-in thermal printer for easy data printing.
- ⑤. Results are automatically temperature compensated.
- ⑥. Advanced optical testing principles to overcome reading errors in manual methods.
- ⑦. Power-off save function, automatically save the test results.

Parameters:

Model	BK-ESR40
Application	Erythrocyte sedimentation rate analysis
Measurement Method	Infrared detection
Analysis Result	Westergren ESR value (mm/hour)
Throughput	Maximum 80 tests/hour
Analysis Channels	40 (load up to 40 samples for analysis at the same time)
Loading Type	Load samples at any time, measure at any time
Analysis Time	30 minutes or 60 minutes selectable
Sampling Interval	3 min
Measurement Range	0~120mm/h
Temperature Compensation	The result is automatically corrected to the result at 18°C
Result Resolution	1mm/1h and 1mm/2h
Blood Level Range	50mm~64mm
Result Accuracy	±2mm/h (ESR≤30mm/h) ±3mm/h (30mm/h<ESR≤80mm/h) ±5mm/h (ESR>80mm/h)
Result Precision	CV≤2%
Channel Error	≤±4mm/h
Reading Accuracy	0.2mm
Timing Accuracy	90
Display	7-inch color LCD touch screen
Communication Interface	RS232 serial interface
Printer	Built-in thermal printer
Power Supply	AC220V 50/60Hz
External Size (W* D*H)	340*440*180mm
Net Weight	10kg
Package Size (W* D*H)	665*395*235mm
Gross Weight	11.7Kg

Urine Analyzer UA-200/UA-300



UA-200



UA-300

Features:

- ①. Convenient, fast, accurate and simple.
- ②. Built-in thermal printer.
- ③. RS232 interface can be connected to other systems such as urine sediment system.
- ④. With fault diagnosis function.
- ⑤. Traceability, each inspection result is photographed and archived, which is convenient for users to review. The environmental temperature monitoring system reduces the influence of the laboratory environment on the test results. (only for UA-300)

Technical Specifications:

Model	UA-200	UA-300
Measurement Principle	Albedometry	Artificial Intelligence + Computer Perception Technology
Test Items	14 items, including GLU, BIL, KET, SG, pH, BLD, PRO, URO, NIT, LEU, VC, CRE, CAL, MAL	
Test Speed	60-120 Tests/ hour	514 Tests/ hour
Display	LCD display	7 inch touch screen
Wavelength	525-660nm	/
Working Environment	Temperature 15°C-35°C, Humidity: <85%	
Interface	RS232 interface can be connected to other systems such as urine sediment system.	
Storage	2000 patient	Mass storage. Millions of test results can be stored.
Printer	Built-in thermal printer	
Leakage Proof	Available, avoid cross contamination	
Power Supply	AC110V/220V±10%, 50/60Hz	100~240V±10%, 50/60Hz
Package Size(W*D*H)	500*380*250mm	430*420*380mm
Gross Weight	4.5kg	5.5kg

Auto Urine Analyzer UA-240

Testing Items:

Urobilinogen(UBG), Bilirubin(BIL), Ketone body(KET), Occult blood(BLD), Protein(PRO), Nitrite(NIT), Leukocyte(LEU), Glucose(GLU), Specific gravity(SG), Power of hydrogen(pH), Vitamin C(VC), Micro albumin(MAL), Creatinine(CRF), Calcium ion(CAL).

Features:

- ①. High-precision sampler.
- ②. Auto mixing before aspirating samples.
- ③. Particular IC card control system and system upgrade function.
- ④. STAT: emergency insert dedicated location.



Parameters:

Model	UA-240
Assay Method	Albedometry
Test Speed	240 Tests/hour
Sample Rack	5 test tube racks(5*10 samples)
Sample Volume	Not lower than the marked scale line on the test tube rack
Sampling Volume	<1.0ml
Wavelength	525nm, 610nm, 660nm
Storage	20,000 results
Interface	RS-232
Language	English and Spanish. Other languages on request
Print	Built-in thermal printer
Working Environment	Temperature: 15~35°C; Humidity: ≤75%
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Fuse Specification	250V, 2A
Package Size(W*D*H)	800*595*995mm
Gross Weight	83kg

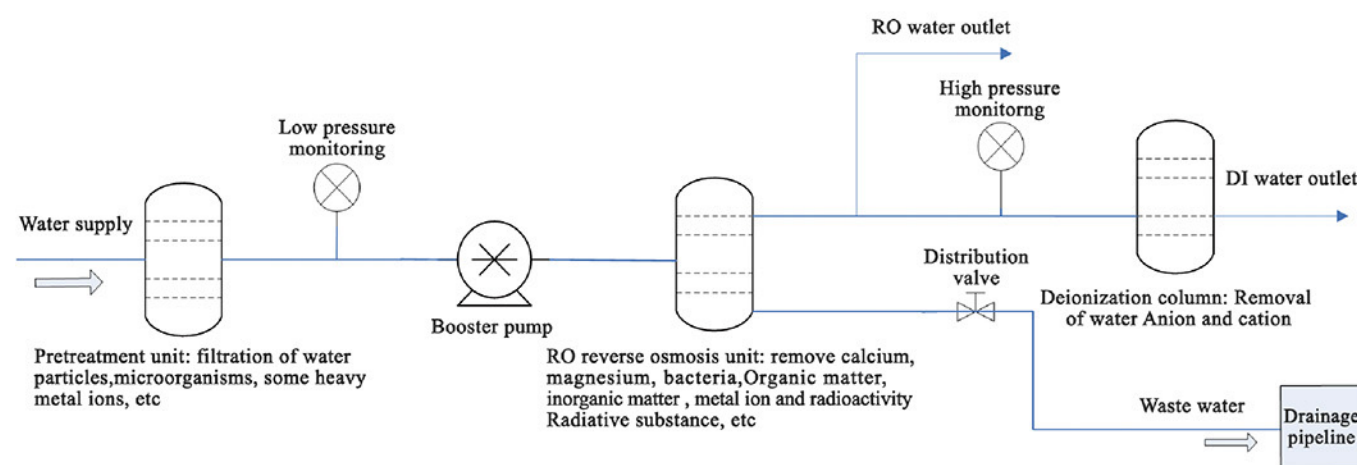
Water Purifier (RO & DI water) SCSJ-I-10L/SCSJ-II-30L



SCSJ-I-10L

SCSJ-II-30L

Purifying Procedure (SCSJ-I-10L):



Parameters:

Model	SCSJ-I-10L	SCSJ-II-30L
Water Output Type	RO & DI water	
Water Output Speed	10L/H	30L/H
Purifying Procedure	PF+AC+RO+DI	
Water Supply Requirement	Tap water: TDS<200ppm, 5~45°C, 1.0~3.5Kgf/cm2	
Pre-treatment	10 PP filter*1+10" Activated carbon *2	10"PP filter*1+10" active carbon filter*1
RO Unit	50 GPD RO membrane*1	300 GPD RO membrane*1
Subsequent Unit	Deionization purification column*2	Deionization purification column*1
Pure Water Quality	Soluble organic matter: Rejection rate>99% (molecular weight>100)	
	Particle: Rejection rate>99%	
	Microbe: Rejection rate>99%	
	Salt rejection rate: >99%	
	TDS (total solids solubility): RO water: 5~20 ppm	
	Resistivity: 10-18.25MΩ.cm	
	PM (particulate matter) (>0.22μm): <1/ml	
	Conductivity: 0.055-0.1us/cm	
	Microbe/Germ: <1 CFU/ml	
Water Quality Monitor	TDS (Total Dissolved Solids) meter	Electrical conductivity tester
Consumption	46W	113W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Standard Configuration	Main body (Include 1 set of cartridges)+TDS meter	
External Size (W*D*H)	390*400*503mm	325*403*650mm
Package Size (W*D*H)	500*520*650mm	460*420*1200mm & 670*400*260mm
Gross Weight	27kg	40kg