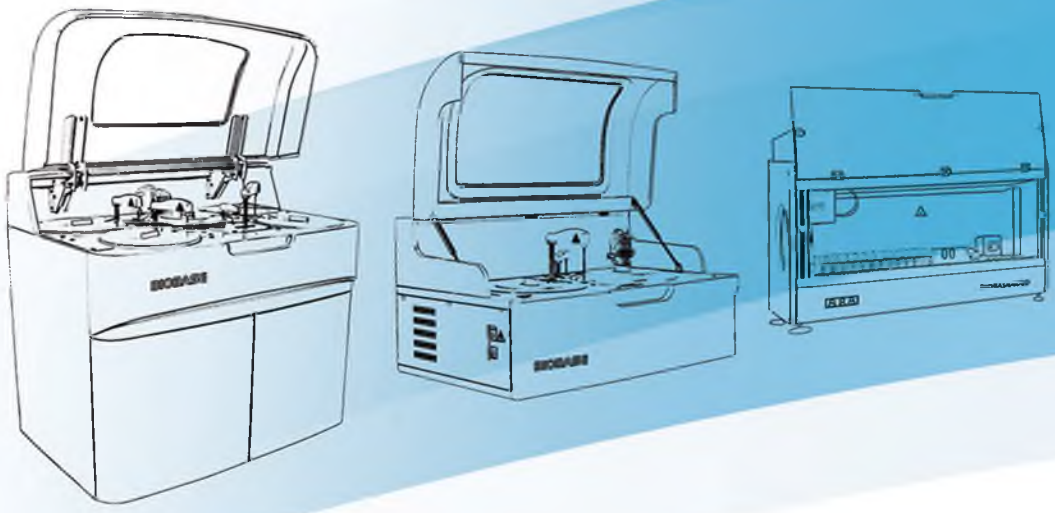
BIOBASE®

Clinical & Analytical



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 100,000 square meters production base. 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.

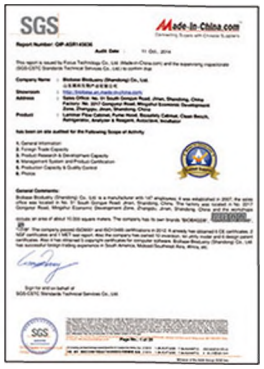
Strong QC team to inspect all production stage, from the accessories to the finished products.

ISO9001, ISO13485, ISO14001, SGS, CE, RIQAS, FDA certificate.

ISO9001

ISO13485

ISO14001



SGS

Contents

01 Auto Chemistry Analyzer

15 Clinical Chemistry Reagents

17 Automatic Chemiluminescence Immunoassay System

21 Auto ELISA Processor

27 ELISA Microplate Reader

28 ELISA Microplate Washer

29 Mircoplate shaker

31 Elisa Reagent Kits

33 Automated Sample Processing System

35 Nucleic Acid Extraction System

47 Nucleic Acid Extraction Kit

49 Fluorescent Quantitative PCR Detection

53 Auto Coagulation Analyzer

57 Auto Hematology Analyzer

63 Urine Analyzer

67 Electrolyte Analyzer

69 Blood Gas & Electrolyte Analyzer

71 Water Purifier

CE

RIQAS

FDA

Auto 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.

02

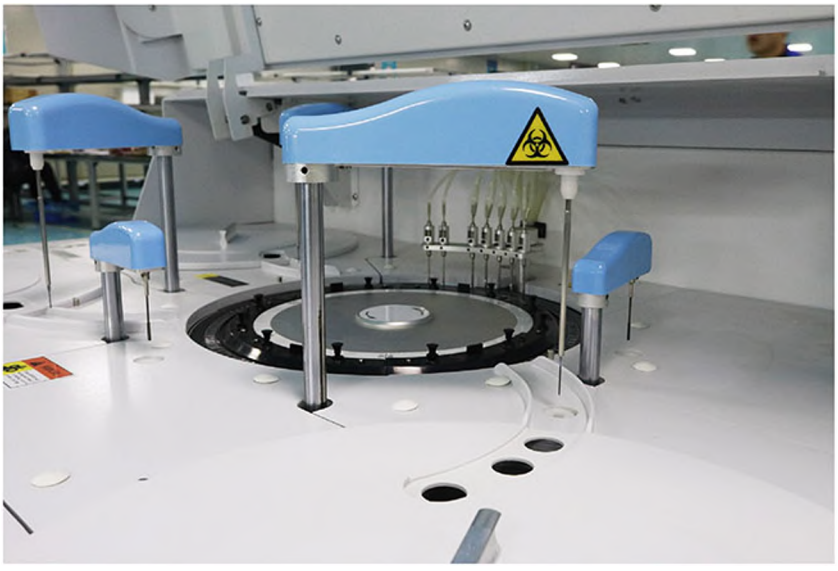
Functional Software

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.

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.



04

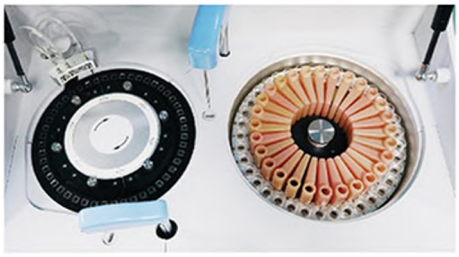
Sample and Reagent Tray

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

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

Overall appearance:

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

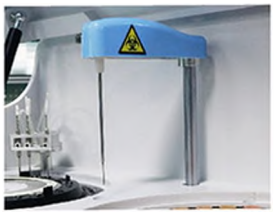


Features:

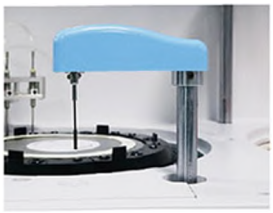
①. 37 Sample positions.
②. 28 Reagent positions.
③. 48 Reaction cuvettes.
④. 200 Tests per hour.
⑤. Probe with anti-collision function, liquid level dectection function.

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, ISO14001, 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, 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 Auto 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.

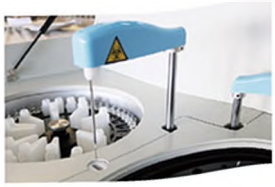
⑤. Probe with anti-collision function, liquid level dectection function.

Reaction Tray
37±0.2°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 Needle
Liquid level sensor function.
Anti-collision function.Reagent
volume real-time detection.

Washing Probe
Independent 5-step
washing system.

Parameters:

Model		BK-280
Overall Performance	Throughput	Constant Speed 200 Tests/hour Max Speed 280 Tests/hour
	Analysis Method	End-point, Fixed-time, Rate(Kinetic)
	Certificates	CE, FDA, ISO9001, ISO14001, 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
	Probe Washing	Automatic washing interior and exterior
	Reagent Cooling	Refrigerated tray with independent switch
Reaction System	Temperature Control	37±0.2°C
	Cuvettes	120 reusable cuvettes, optical length 6mm
	Mixer Probe	Independent stirring
	Washing	Automatic cuvettes washing
	STAT function	YES
Optical System	Light Source	12V/30W 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, 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)	950*603*510mm
	Net Weight	65kg
	Package Size (W*D*H)	1085*700*1012mm
	Gross Weight	140kg

400T/H Auto 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 dectection function.

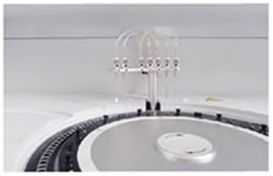
Reaction Tray
37±0.1℃, real-time monitor.

Mixer Probe
Teflon coating to avoid cross contamination.

Reagent Tray
2~8℃ 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, ISO14001, 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
	Reagent Cooling	2~8°C
Reaction System	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/30W halogen-tungsten 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	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, multiple reporting mode available
Working Conditions	Power Supply	220V±10% 50/60Hz, 110V±10% 60Hz, 500VA
	Temperature	15~30°C
	Water Consumption	Deionized water:10 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 Auto 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 dectection 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, ISO14001, 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
	Reagent Cooling	2~8°C
Reaction System	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/30W 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, Logit-4P, Logit-5P
	Quality Control	Inserting quality control at random
Data Management	Software	Windows 7/8/10
	LIS System	Available
	Interface	TCP/IP Network interface
	Printer	External, multiple reporting mode available
Working Conditions	Power Supply	220V±10% 50/60Hz, 110V±10% 60Hz, 800VA
	Temperature	15~30°C
	Water Consumption	Deionized water:10 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 Auto Chemistry Analyzer
BK-1200

Features:

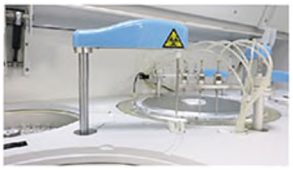
①. 150 Sample positions.
②. 160 Reaction cuvettes.
③. 180 Refrigerated reagent positions.
④. Optical filter/fiber bragg grating selectable.
⑤. 800 Tests per hour (1200 Tests with ISE module).
⑥. Built-in sample barcode system optional.
⑦. Probe with anti-collision function, liquid level dectection function.

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, ISO14001, 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
	Absorbance	0~3.5Abs
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, 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

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℃ temperature in flow cell and incubating.

⑧. Real time graph can be displayed and printed.

Parameters:

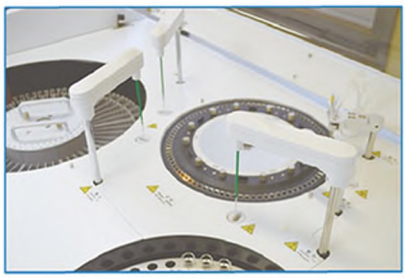
Model	BIOBASE-Silver
Reading cuvette	Quartz cuvette; Both through cell and direct reading cuvette
Incubating positions	20 incubating positions
Photometric System	Light source: 6V, 10W long life halogen lamp
	Filters: 340/405/450/510/546/578/630nm, 2 more open filter positions
	Wavelength accuracy: ±2nm
Measuring System	Measuring range: 0~3.500O.D.
	Photometric linearity: ±2% from 0 to 2.500 O.D.
	Photometric accuracy: ±2% from 0 to 2.500 O.D.
	Drift<0.005 O.D.
Incubator Temperature	R.T. 25℃, 30℃, 37℃
Control	Precision: ±0.1℃
Display	Touch Screen
Printer	Built-in thermal printer
Interface	RS-232, USB
Power Supply	AC110/220V±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 100 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, TnI, MA.

⑨. Kidney Function: UREA, CREA, UA, MALB, CYS-C, BMG, NAG, UTP, α1-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 biochemistry analyzer

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

OEM Services Available:

Bulk package: 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

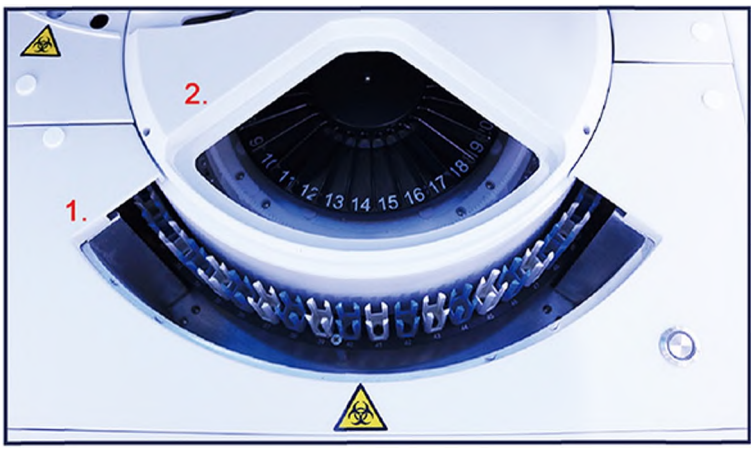
BKI2200

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%, and the detection precision can reach CV<2%.

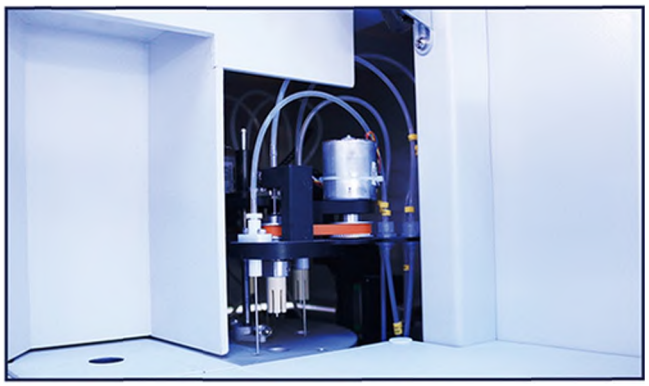


1. Sample Tray:

* 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.

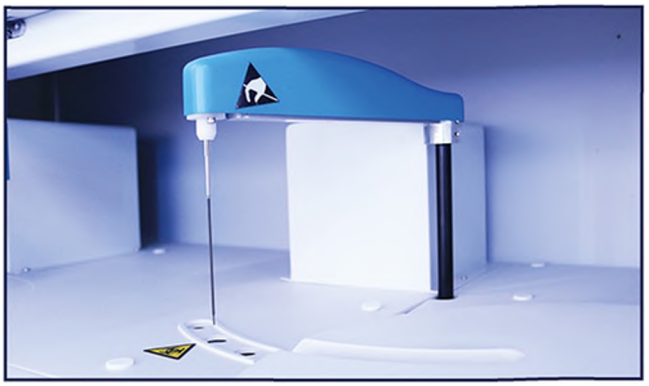
2. Reagent Tray:

* 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.



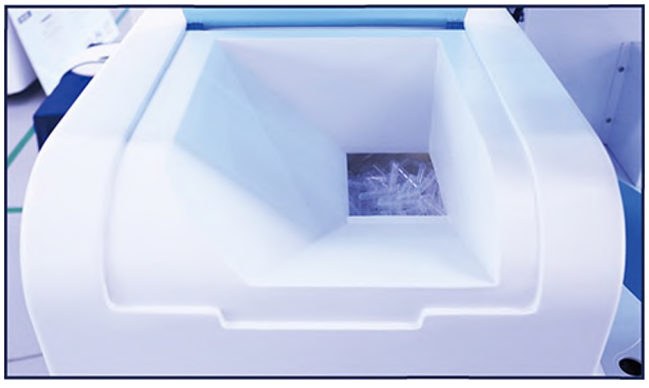
Washing and Mixing Module:

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



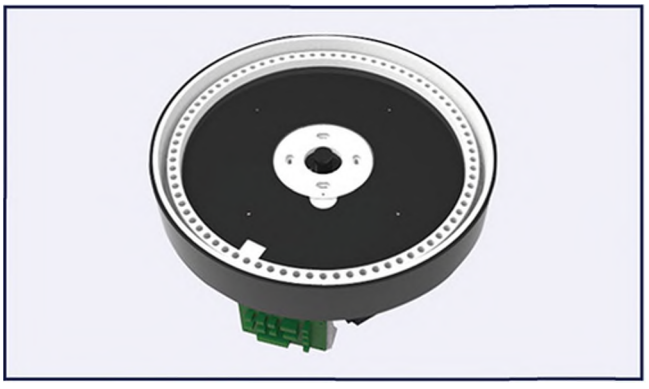
Sample Probe:

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



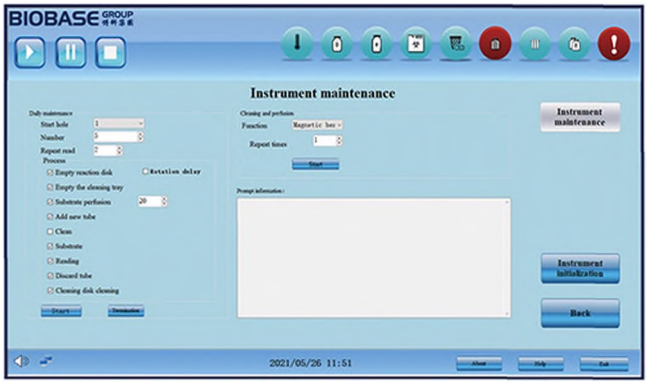
RV Loading Module:

* 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°C 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℃ 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; SHBG
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
Growth	GH
Bone Metabolism	BGP; 25-OH-Vit-D; iPTH
Tumor Marker	CA125; CA15-3; CA199; AFP; CEA; t-PSA; f-PSA
Pepsinogen	PGII
Kidney Function	β2-MG
Rheumatism	Anti-CCP
Diabetes	C-P; INS
Pregnancy	FE3; PAPP-A; Free-β-HCG
Cardiac Marker	cTnI; CK-MB; MYO; NT-proBNP
Inflammation	PCT; IL-6

Auto ELISA Processor

01

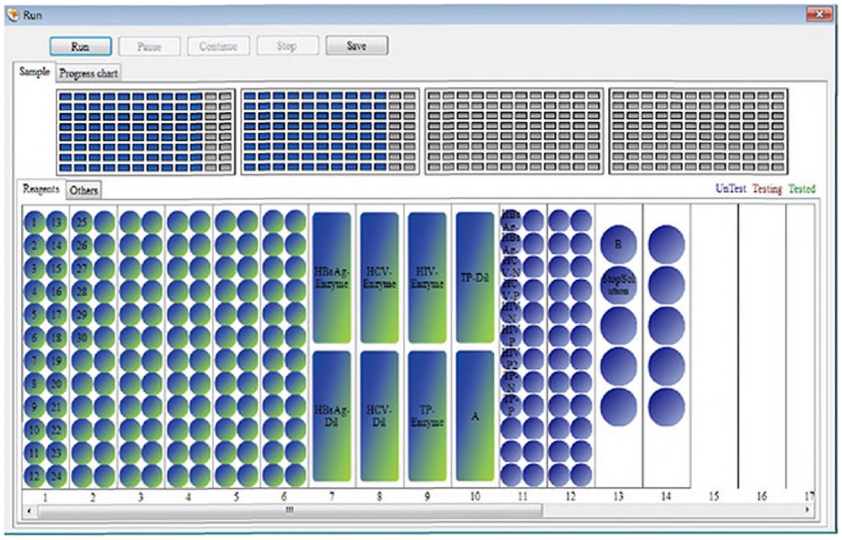
Sample Module

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

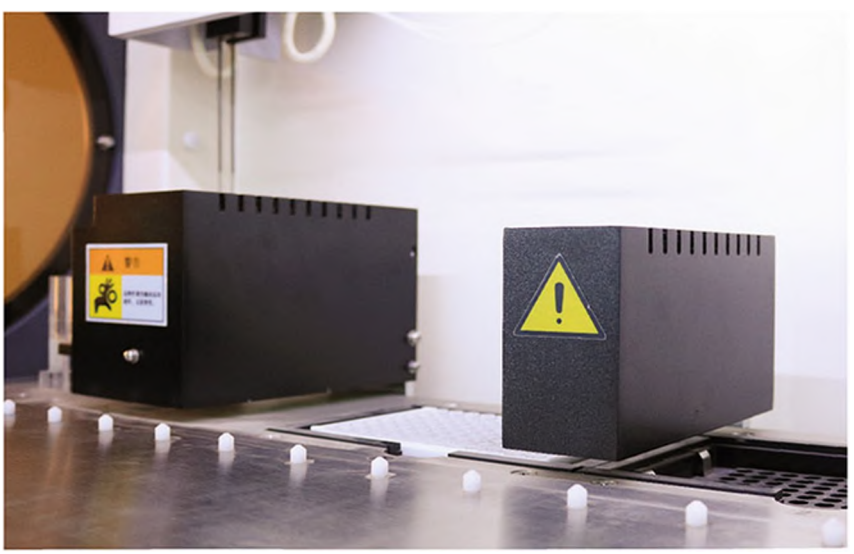
Software Module

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.

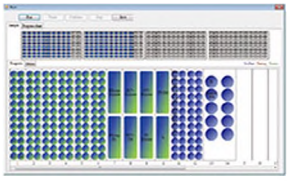
Auto ELISA Processor
BIOBASE 1000

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.

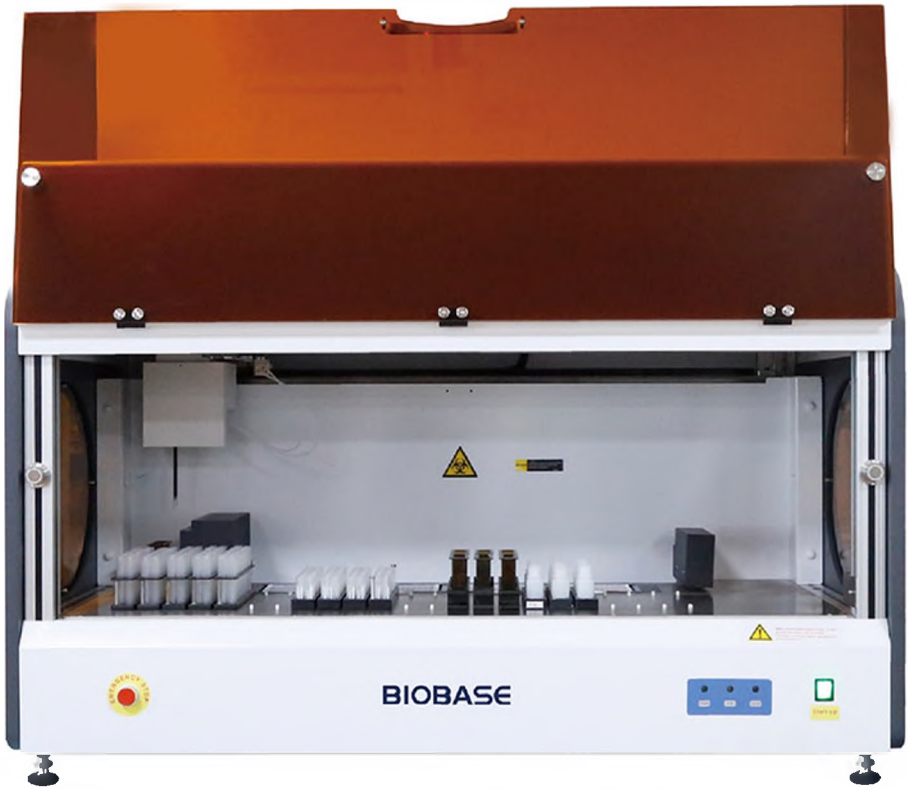
Microplate Reader & Washer Module

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

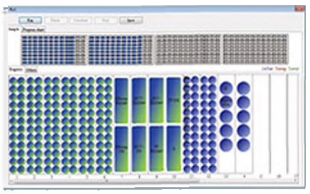


Features:

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
	Printer	External optional
Working Conditions	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz, 400W
	Temperature	10~30°C
	Humidity	30%~80%
Size & Weight	External Size(W*D*H)	1235*710*880mm
	Net Weight	146kg
	Package Size(W*D*H)	1380*860*1435mm
	Gross Weight	220kg

Elisa Microplate Reader
BK-EL10C

Features:

①. 8-channel vertical optical system.

②. Reading speed of 7 seconds.

③. 10.1-inch large touch screen with visual layout function.

④. Hardware: ARM architecture high-performance low-power

⑤. Processor, with ADI high-precision AD conversion chip,

the measurement is more accurate and stable.

⑤. Software: Self-developed core algorithm, with independent intellectual

property rights, flexible use of multiple calculation methods.

Parameters:

Model	BK-EL10C
Measurement Channel	Vertical 8 optical channels
Wavelength Range	400~800 nm
Filter	Standard 4 wavelengths of 405, 450, 492, 630nm; can be installed up to 10 filters (optional)
Reading Range	0.000~4.000 Abs
Linear Range	0.000~3.000 Abs
Repeatability	CV≤1.0%
Stability	≤±0.003Abs
Vibration Plate Function	3 kinds of vibration plate function, adjustable 0~255 seconds
Display	10.1 Inch Large Touch Screen
Power Supply	AC110/220V, 60/50Hz
Net Weight	11kg
Gross Weight	13kg
Instrument Size (W*D*H)	450*320*300mm
Packing Size (W*D*H)	535*395*395mm

Elisa Microplate Washer
BK-9622

Features:

①. Up to 100 washing programs, each program independently stores the name of an experiment item and the shape parameter of the microplate.

②. A variety of lotion channels are optional, which can be selected by default or manual switching.

③. With the function of washing liquid washing pipeline, the washing time can be adjusted, effectively preventing the formation of crystallization.

④. The lotion bottle has a uniform volume scale, which is convenient for the preparation of working liquid, and the automatic alarm function is full of waste liquid.

Parameters:

Model	BK-9622
Microplate Types	Applicable to all types of microplates. Flat bottom, V-shaped bottom, U-shaped bottom, round bottom , 96-well
Washing Mode	2 kinds of Automatic washing, Soaking and Shaking, to reduce the interference adsorption during the reaction; 0-999 seconds adjustable.
Average Residue	<1μl
Number of Microplate	1~12 rows adjustable
Cleaning Head	8 channels and 12 channels
Liquid Suction Time	0.1~9.9 seconds adjustable, with an interval of 0.1 seconds
Washing Programs	Up to 100 programseach program independently stores the name of an experiment item and the shape parameter of the microtiter plate
Flushing Pipeline Time	0~240 seconds adjustable
Display	5.0 Inch LCD screen
Liquid Injection Channels	3 (2 types of lotion and 1 type of distilled water)
Cleaning Needle Position	5 types adjustable (Horizontal, Left, Center, Right, Bottom)
Packing Size(W*D*H)	710*510*451mm
Gross Weight	23kg

Microplate Shaker

Descripfion:

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

Descripfion:

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.

BK-MS300 combines constant temperature and oscillation perfectly together, greatly shorten the experimental operation time, which is the ideal automation tool for samples hatching, catalytic reaction process of preserving, blending, save and etc.

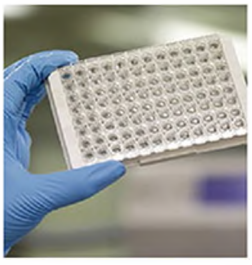
Features:

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

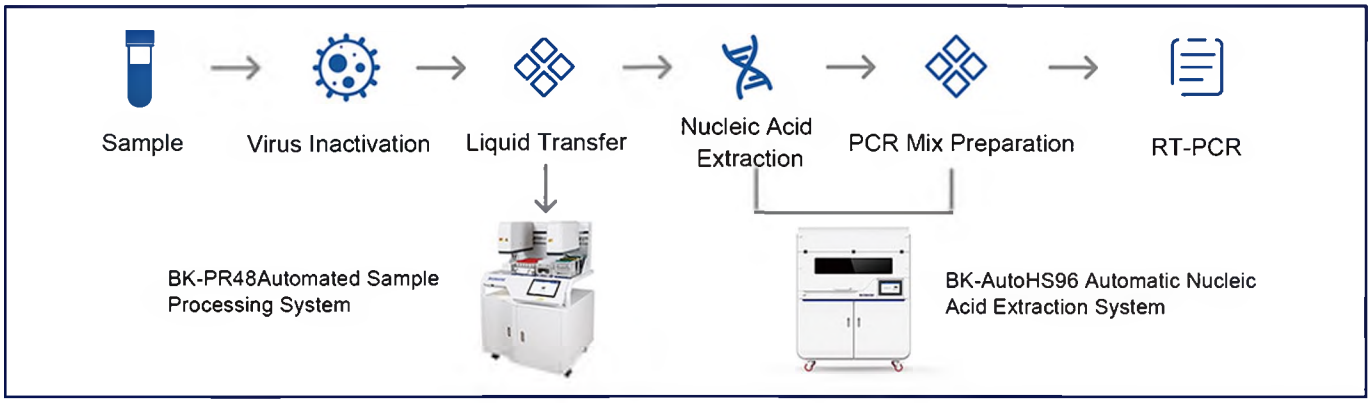



Parameters:

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

Work Process:



Introduction:

BK-PR48 Automated Sample Processing System can be used with a biological safety cabinet. Could complete lid opening/closing, dispensing, proteinase K/internal control addition, it only takes 16 minutes to transfer 48 samples at one time, 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: BK-PR48 can be used with a biological safety cabinet, to effectively prevent aerosol pollution.

Efficient: Cooperative processing with dual robotic arms, 20s/PCs

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-PR48
Throughput	1-48
Processing Time	48 samples/16min
Sample Type	Plasma, serum, whole blood, swab solution and other samples
Sample Rack	1Pcs, 6*8 with locking device (compatible with a variety of sampling tubes)
Robot Arm	2 pcs (Dispensation arm and Screw cap arm)
Plate Position	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)	827*794*1223mm
Net Weight	100kg
Package Size (W*D*H)	Main instrument: 925*925*817mm; Base cabinet:1030*995*1045
Gross Weight	Main instrument: 115kg; Base cabinet:105kg

Nucleic Acid Extraction System

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	15-40 min/round (depending on the reagent used)	
Internal Program	Be able to store >100 groups of programs	
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	No	Yes
Ultraviolet Irradiation	Yes	
Package Size(W*D*H)	580*510*700mm	700*520*750mm
Gross Weight	51kg	80kg

Nucleic Acid Collection Safety Station

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.

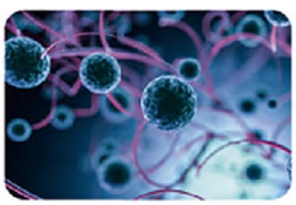
④. Large program capacity, can store 1-100 groups of programs.

⑤. With constant temperature function to ensure the best reaction temperature in the purification process.

⑥. Friendly operation interface, easy to understand, no external computer, no special training.

⑦. Compact appearance, solid material, long design life.

Genetic Screening (E.SNP)



Tissue Typing

Chip Technology

Transgene Screening

Paternity Testing

Forensic Testing

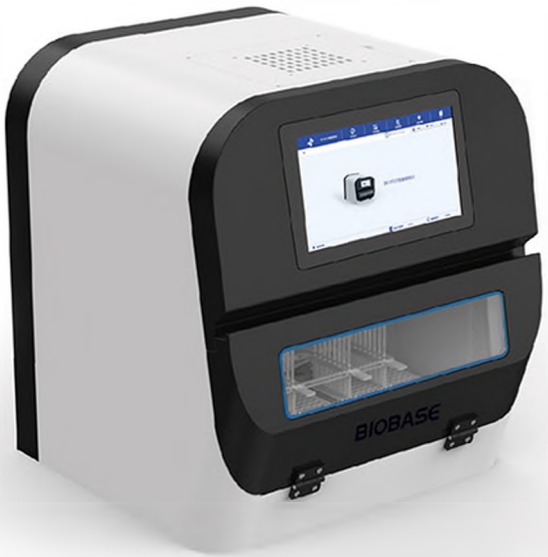
Microbiology Testing

Plant Molecular Biology Research

Parameters:

Model	BNP-96
Screen	10.1 inch touch
Sample Volume	20μl-1000μl
Sample Capacity	1-96
Magnetic Bead Recovery	≥98%
Extraction Time	15-40 minutes
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 (1-3)
Reagent Type	Open System for Magnetic Bead Method
Program Storage	≥100 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
Package Size(W*D"H)	910*670*780mm
Gross Weight	95kg

Nucleic Acid Extraction System

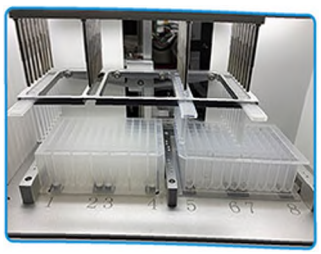


Features:

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.



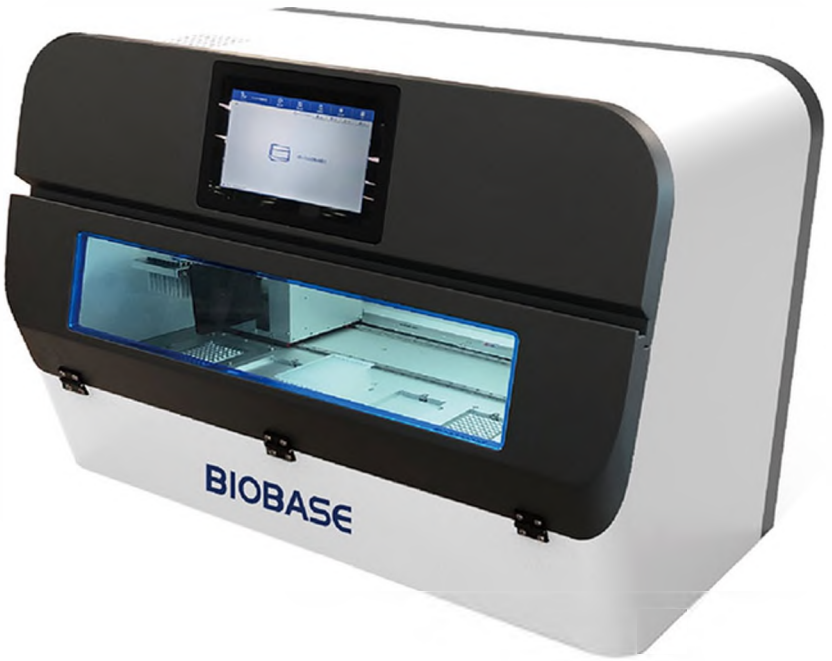
④. Integrated Shaking & Heating Module Mix deep wells while heating, saving extraction time.

⑤. Concave design heating belt fitsthe 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-chekcing, 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



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	15min-60min
Magnetic Bead Recovery	≥98%
Magnetic Flux of Bar	3000-6000Gs, can change others
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)	1138*733*1028mm
Gross Weight	130kg

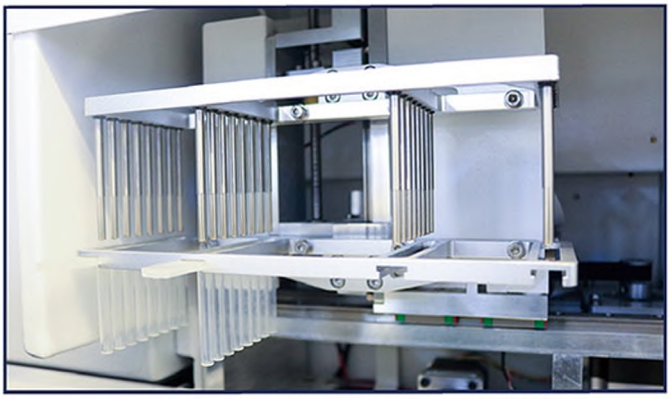
Automatic Nucleic Acid Extraction System

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.

Robotic Arm

Working Zone



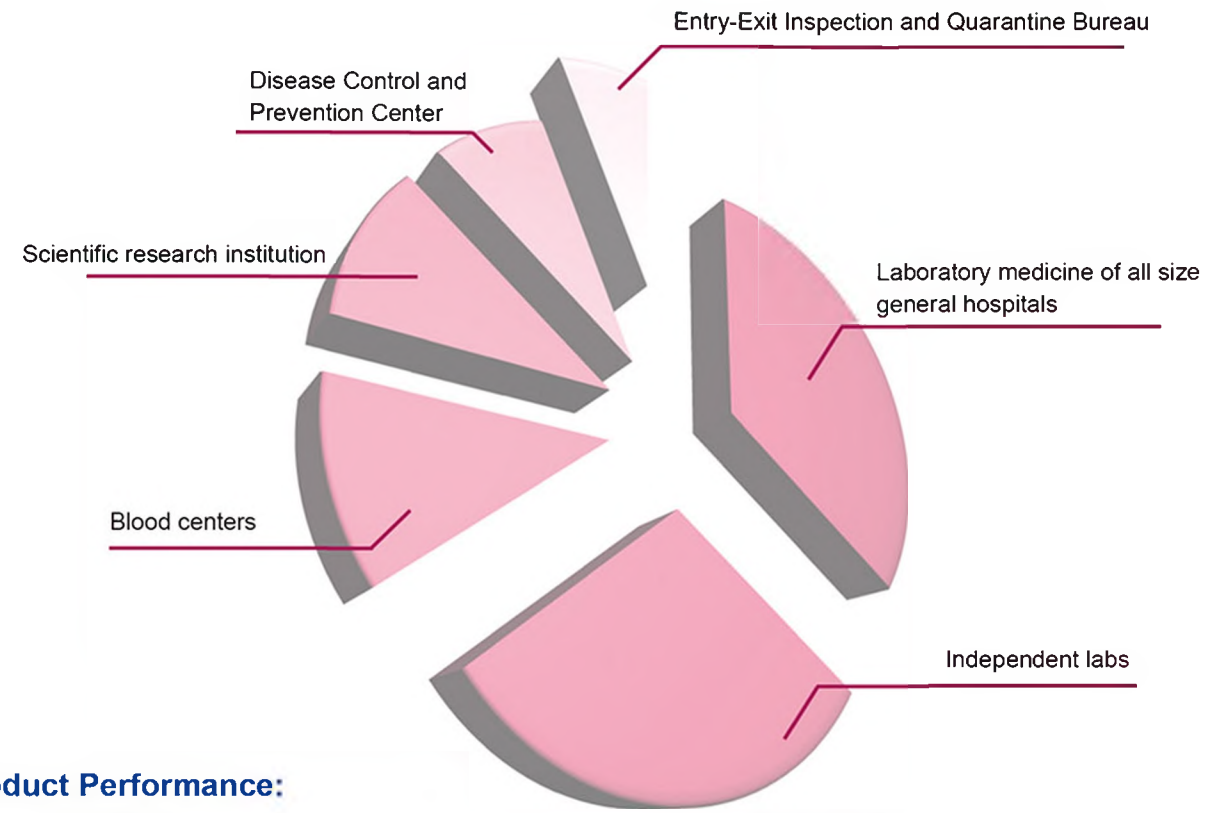
Extraction Area

LCD Display

Feature:

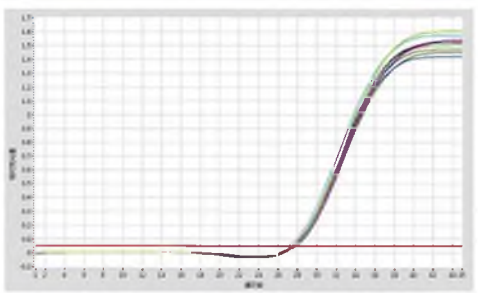
* Accurate pipetting, air pressure correction can adapt to extreme environments such as flat ground, plateau, island, etc., to ensure the accuracy of pipetting.
* 96 samples can be processed within 60 minutes, realizing high-throughput processing of samples, saving time and effort.
* Reagent position and PCR plate position, can be refrigerated at 4℃.
* 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.

Application:



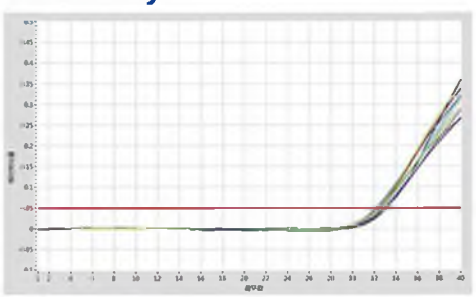
Product Performance:

Precision



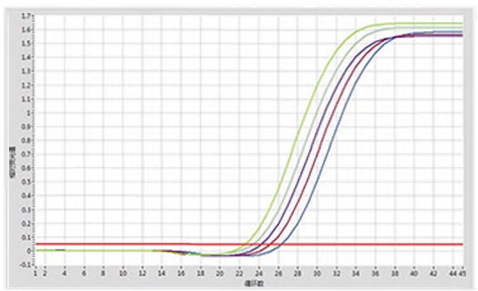
The same HCV samples were repeatedly extracted for 10 times and analyzed by qPCR. CV<3%

Sensitivity



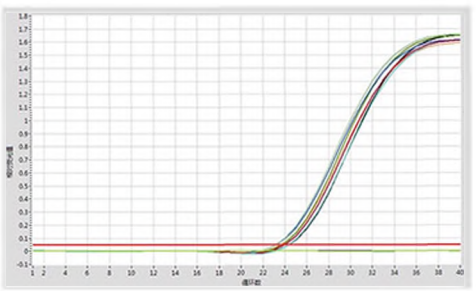
The HCV samples with the concentration of 151U/mL were extracted, and the detection rate was 10/10

Linear



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

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℃, Lysis and elution position
Temp Accuracy	0.1℃
Heating Method	Dry bath heating
Heating Speed	RT-100℃≤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 Illumination Lamp	UV lamp (30W*1, 8W*1) 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, Southernblot, etc.

Method Advantage:

①. Safe and efficient ②. Less time requirement

Extraction process:

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

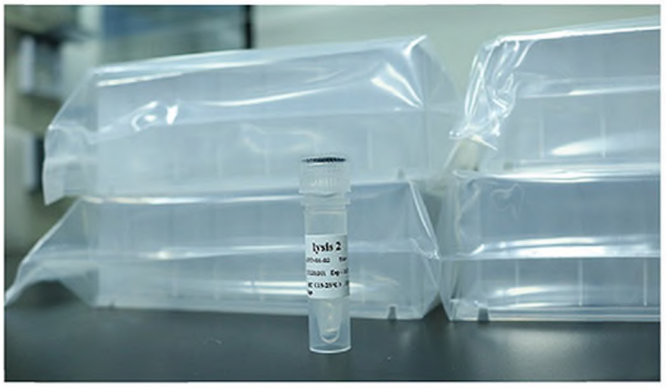
Product advantage:

①. High sensitivity: High-quality nucleic acid can be extracted after the positive samples are diluted by 104 and 107 respectively 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	BK-HS32/ BK-AutoHS96
Nucleic Acid Extraction Kit III	96T/Box	BK-HS96
Nucleic Acid Extraction Kit IV	96T/Box	BNP96
Nucleic Acid Extraction Kit V	64T/Box	BNP-32&48

Fluorescent Quantitative PCR Detection System

Introduction:

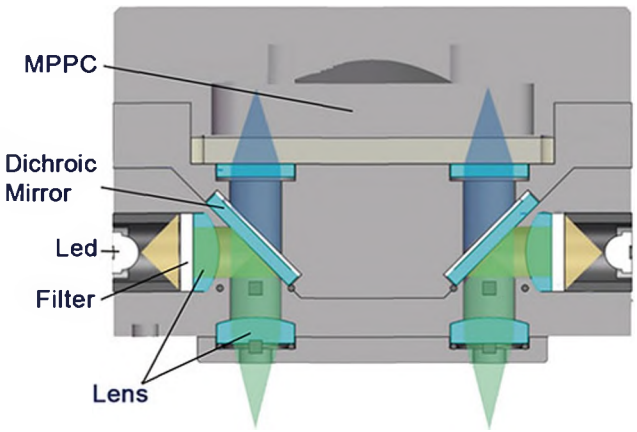
Real- time PCR is used for sensitive, specific detection and quantification of nucleic acid targets. We have developed powerful assay design algorithms, optimized qPCR regent, intuitive data analysis software, and flexible instrumentation to help harness the power of qPCR across a rich and diverse set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

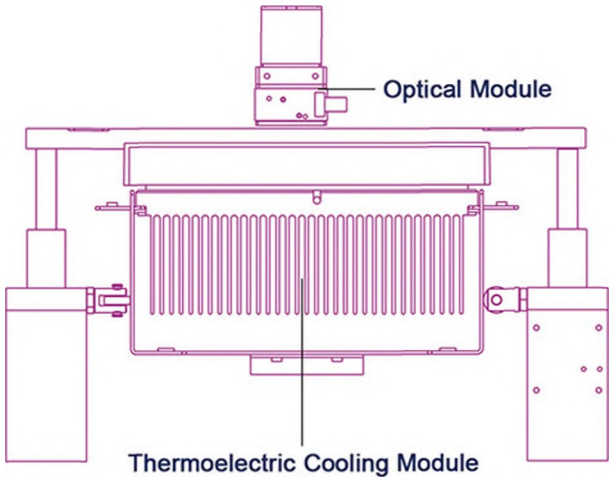
Application:

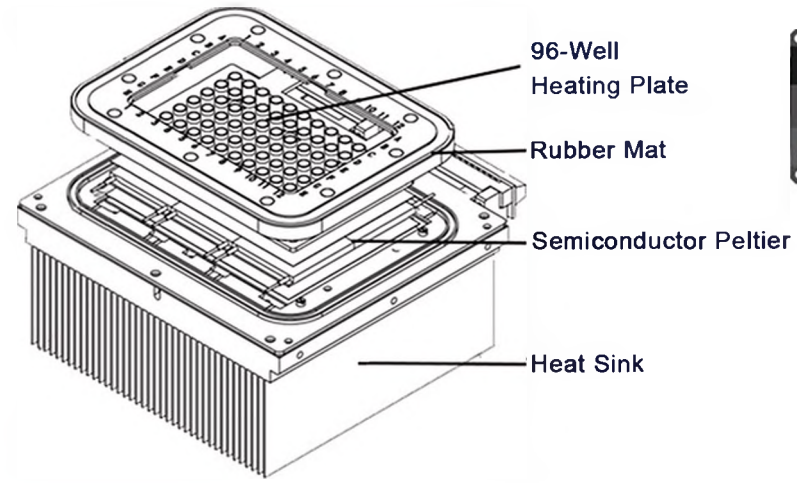
It can be widely used for Infectious disease research, Food pathogen detection, Waterborne pathogen detection, Pharmaceutical analytics, Stem cell research, Pharmacogenomics research, Oncology and genetic disease research, Plant sciences and agricultural biotechnology.

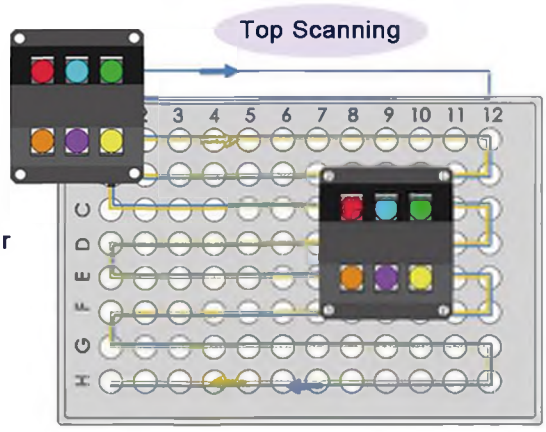
Working Principle:

The temperature step change is controlled by the semiconductor peltier to realize PCR amplification. Use high-sensitivity MPPC 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.



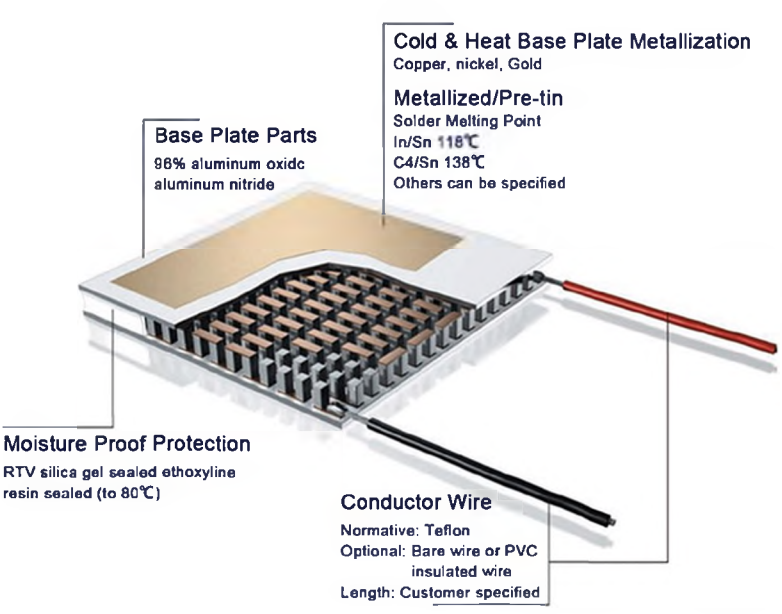






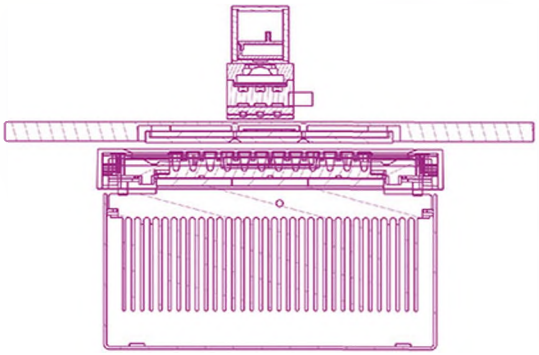
Features:

* Excellent temperature control performance of the instrument, the maximum temperature rise and fall ≥5.0℃/s.
* No edge effect, no optical path correction, top excitation/detection, non-contact measurement.
* Fluorescence detection adopts MPPC 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.



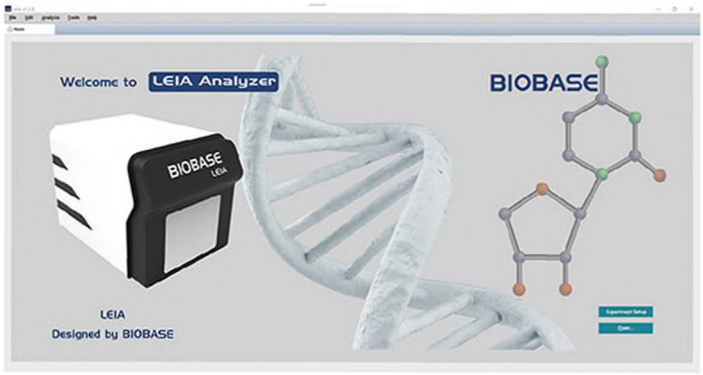
Real-time PCR Hardware:

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.



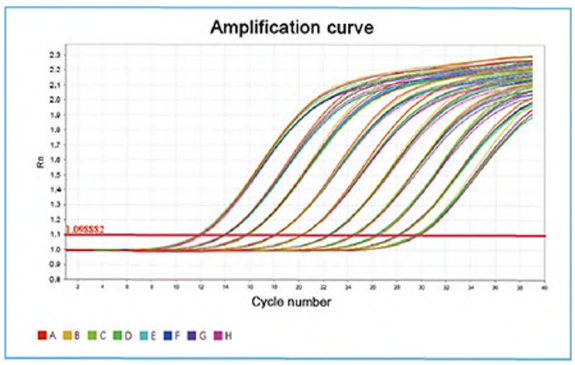
The integrated design of the scanning module and the heating cover module, relying on its own gravity to compress the heating plate and the reagent cover, and is supported by four compression springs to prevent the sample tube from being crushed; at the same time, the rubber pad around the heating cover 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.

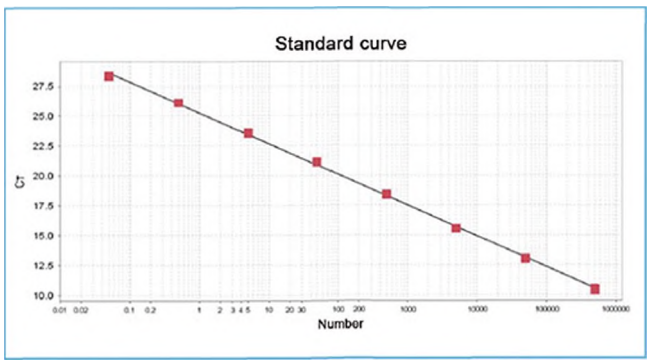
Real-time PCR Software:



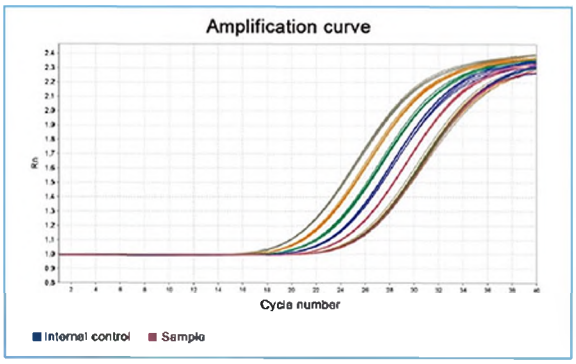
The software includes functions such as absolute quantification experiment, melting curve experiment, relative quantification (AACT) experiment, and genotyping experiment. Enter the attribute setting interface and select different function modules. Guided flow operation, convenient for users to quickly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

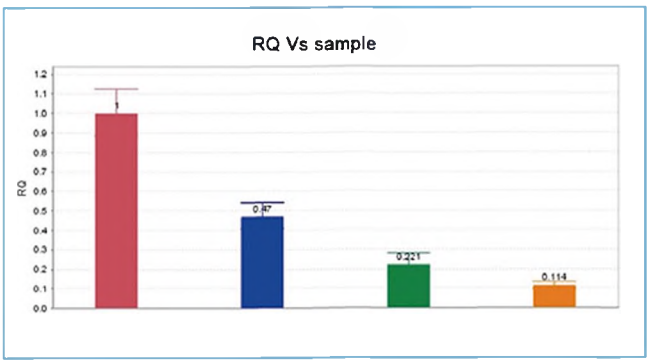
Absolute Quantification Experiment:



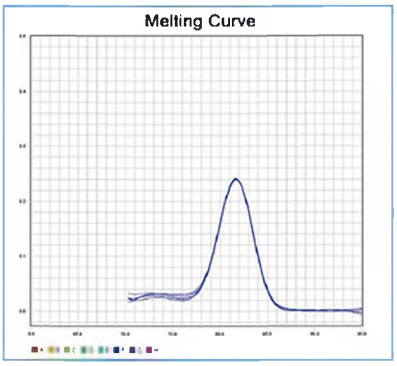


Relative Quantification (AACT) Experiment:

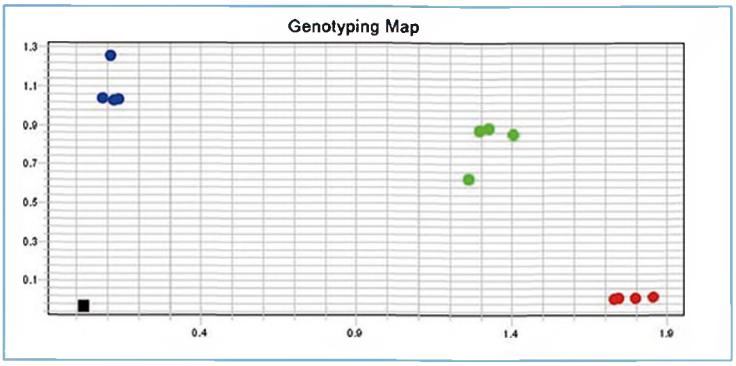




Melting Curve Experiment:



Genotyping 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	MPPC			
Detection Path	F1	F2	F3	F4
Suitable Probe/Dye	FAM/SYBR GREEN	VIC/JOE/ HEX/TET	ROX/TEXAS-RED	Cy5
Excitation Wavelength	455~680nm			
Detection Wavelength	510~730nm			
Fluorescence Detection Repeatability	CV≤2%			
Fluorescence Detection Accuracy	CV≤3%			
Fluorescence Detection Linearity	r≥0.995			
Module Temp. Range	4-99℃(resolution:0.1℃)			
Ramp Rate	5.0℃/s(max)			
Temp. Accuracy	±0.3℃			
Temp. Uniformity	≤ ±0.3℃			
Temp. Control Mode	Block mode			
Gradient Temp. Range	1-36℃			
Hot-Lid Temp. Range	100℃, Automatic Hot-lid			
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, SNP Analysis, melting curve analysis, etc.			
Operation System	Microsoft: Windows10			
Power Supply	220V,50/60HZ; 110V,60HZ			
Dimension(L*W*H) Mm	375*490 *365			
Port Method	USB Port			
Packing Size(L*W*H) Mm	645*565 *605			
Gross Weight	45			

ESR Analyzer
EA20/EA40

Features:

①. Large 7 inch touch screen.
②. Throughput up to 80T/H.
③. Two kinds of measuring time: 30 mins or 60 mins.
④. ESR curve display and print out.
⑤. Barcode reader optional.
⑥. LIS system available.

Parameters:

Model	EA20	EA40
Application	Erythrocyte sedimentation rate analysis	
Measuring Principle	Infrared sensor	
Analysis Result	Westergren ESR value (mm/hr)	
Throughput	Up to 80 samples per hour	
Reading Channels	20	40
Loading Capacity	20 samples at same time	40 samples at same time
Loading Pattern	Random	
Measuring Time	30 minutes or 60 minutes selectable	
Sample Interval	3 minutes	
Measurement Range	(1~140)mm/h	
Temperature Compensation	Refer to 18°C automatically (selectable)	
Reading Resolution	±0.1mm	
Result Resolution	1mm/1h, 1mm/2h	
Blood Level Range	50~64mm	
Display	LCD display	
Input	Touch screen	
Interface	RS-232	
Print	Built-in thermal printer	
Storage	4,000 results	
Power Supply	AC110/220V±10%, 60/50Hz, 50W	
Operation Conditions	Temperature 5~40°C; Humidity≤80%	
Package Size(W*D*H)	685*420*330mm	
Gross Weight	13kg	

Auto Coagulation Analyzer
BK1000A/BK1000C

Features:

① Optical coagulation testing theory, PT derived FIB function.
② With automatic and manual dual-mode test functions.
③ Use tilt reagent position, avoid wasting.
④ With LED lighting function.
⑤ Sampling probe with liquid level sensor and constant heating function, avoid cross-contamination.

Parameters:

Model	BK1000A	BK1000C
Analysis Method	Coagulation method	Coagulation method, Immunoturbidimetry
Analysis Items	PT, APTT, TT, FIB	PT, APTT, TT, FIB, DD, FDP
Throughput	140 Tests/hour	160 Tests/hour
Sample Positions	5	6
Tilt Reagent Position	6	11 refrigerated reagent positions
Interchangeable Reagent Position	/	Yes
Sample Probe	Liquid level sensor and constant heating function	
Calibration	Automatic or manual calibration	
Lighting	LED	
Alarm	Abnormal test results alarm, insufficient cleaning fluid alarm, waste liquid overflow alarm	
STAT Function	Emergency sample available	
Software	Windows 7/8/10 or above, LIS system available	
Power Supply	AC220V±10% 60/50Hz; 110V±10% 60Hz, 320W	
Package Size(W*D*H)	660*640*550mm	
Gross Weight	35Kg	

Semi-auto Coagulation Analyzer CA52/CA54

CA52

CA54

Features:

①. Parameters: PT, APTT, TT, FIB, etc.

②. Principle: Clotting, optical method.

③. Precise electronic pipette.

④. Languages: English, French, Spanish, Portuguese, etc.

⑤. Automatic start reagent addition.

⑥. Thermal printer, auto & manual print.

⑦. LIS system available.

Reagent Parameters:

Item	Sample volume	Reagent 1	Reagent 2	Incubating time	CV%
PT	20μl	40μl	/	120s	≤5%
APTT	20μl	20μl	20μl	180s	≤5%
TT	30μl	30μl	/	120s	≤8%
FIB	40μl	20μl	/	180s	≤5%

Parameters:

Model	CA52	CA54
Testing Channel	2	4
Display	5"	
Cuvette Incubation Positions	12	24
Reagent Incubation Positions	5	6
Wavelength	LED 470nm	
Sample Type	Plasma	
Results	10,000 results storage	
Sample Volume	20~40μl	
Available Units	Seconds, Ratio, %, g/L	
Incubation Temperature	37.0±1.0°C	
Relative Humidity	≤85%	
Precision	PT, APTT, FIB≤5%; TT≤8%(Normal sample)	
Deviation between Channels	≤5%	
Power Supply	AC100~240V, 50/60Hz	
External Size	345*325*145mm	375*335*175mm
Net Weight	4.5kg	5.2kg
Package Size	450*420*350mm	450*420*350mm
Gross Weight	6.5kg	7.5kg

Auto Hematology Analyzer

BK-5000

Features:

①. Touch screen display

②. 3-part differentiation of WBC

③. 21 parameters + 3 histograms

④. Throughput: 60 samples per hour

⑤. Intelligent WBC, RBC, PLT floating boundary markers

⑥. Support LIS, HL7

⑦. Up to 200,000 datas

Technical Specifications:

Model	BK-5000		
Throughput	60 Tests/hour		
Measuring Principle	Coulter principle, Colorimetry hamoglobin determination		
Parameters	WBC, LY#, MID#, GR#, LY%, MID%, GR%, 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)		
Sampler Volume	Prediluted: 20μl; Whole blood: 10μl		
Display	8" color touch screen display		
Intelligent reagent management function	Reagent information and residual display		
Carryover	WBC≤1.5% RBC,HGB<1.0% , PLT≤2%		
Printer	External printer		
Input and output	1 RS232 , keyboard , Mouse, 4USB, LAN		
Performance	Parameter	Linearity range	Precision (CV%)
	WBC(10^9/L)	0.0-100.0	2.0 (4.0-10.0)
	RBC(10^{12}/L)	0.00-10.00	1.5 (3.50-5.50)
	HGB(g/L)	0-300	1.0 (110-160)
	PLT(10^9/L)	0-1000	5.0 (100-300)
Option	Barcode scanner, LIS		
Operating Environment	Temperature 10-35°C Humidity ≤90%		
Power Supply	AC110/220V±10%, 60/50 Hz		
Package Size(W*D*H)	666*555*600mm	Reagent Package Size(W*D*H)	380*275*255mm
Gross Weight	25kg	Reagent Gross Weight	13kg

Auto Hematology Analyzer
BK-6190

Features:

①. Throughput: 60T/H.

②. 8 inch touch screen.

③. 21 parameters + 3 histograms.

④. 3 counting modes.

⑤. 100,000 sample results.

⑥. Support LIS.

Parameters:

Model	BK-6190					
Throughput	60 Tests/hour					
Measuring Principle	Impedance for cell counting, Cyanide-free method for HGB					
Aperture Diameter	WBC chamber: 100μm, RBC/PLT chamber: 70μm					
Parameters	WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR					
Histograms	3 histograms(including WBC, RBC, PLT histograms)					
Sample Volume	Whole blood: 10μl; Predileted: 20μl					
Calibration	Manual & auto calibration					
Counting Modes	Venous, capilary, prediluted					
Printer	Built-in thermal printer, external printer(optional)					
Data Input	8 inch touch screen, keyboard, mouse					
Output	RS232 port, USB port, VGA port. LIS system avaliable					
Storage	100,000 results with histogram					
Carry-over Rate	Parameter	WBC	RBC	HGB	PLT	
	CV	≤ 2%	≤ 1%	≤ 2%	≤ 2%	
Background	Parameter	WBC	RBC	HGB	HCT	PLT
	Background	≤ 0.2×10^9/L	≤ 0.02×10^{12}/L	≤ 1 g/L	≤ 0.5%	≤ 10×10^9/L
Precision	Parameter	WBC	RBC	HGB	MCV	PLT
	CV	≤ 2.0%	≤ 1.9%	≤ 1.9%	≤ 0.4%	≤ 4.0%
	Measurement range	(4.0-15.0×10^9)/L	(3.5-6.0×10^{12})/L	(110.0-180.0g)/L	(80.0-110.0)fL	(100.0-500.0×10^9)/L
Linearity	Parameter	WBC	RBC	HGB	PLT	
	Measurement range	(0-5.9×10^9)/L (6.0-99.9×10^9)/L	(0-0.99×10^{12})/L (1.0-9.99×10^{12})/L	(0-99.0g)/L (100.0-300.0g)/L	(0-99×10^9)/L 100-999×10^9)/L	
	CV	(±0.3×10^9)/L ±5%	(±0.05×10^{12})/L ±5%	(±2.0g)/L ±2%	(±8.0×10^9)/L ±10%	
Power Supply	AC 220±10%, 60/50Hz, 110±10%, 60Hz					
Package Size(W*D*H)	560*470*600mm		Reagent Package Size	370*320*320mm		
Gross Weight	24kg		Reagent Gross Weight	22kg		

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	0~300x10^9/L	≤ 0.5%	≤ 2.0%
	RBC	0~8.00x10^{12}/L	≤ 0.5%	≤ 1.5%
	HGB	0~250g/L	≤ 0.5%	≤ 1.5%
	PLT	0~3000x10^9/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			

5-Part Auto Hematology Analyzer
BK-6400

Features:

①. 60 Tests/hour.

②. Laser scatter technology.

③. Constant linear sheath flow.

④. 2 test modes & 2 sample modes.

⑤. 3-D topographic maps for WBC.

⑥. Integral titanium incubation system.

⑦. 28 parameters, 2 histograms, 2 scattergrams.

Parameters:

Model	BK-6400			
Throughput	60 Tests/hour			
Assay Items	5 parts, 28 parameters, 2 histograms, 2 scattergrams			
Test mode	CBC+5DIFF, CBC			
Measuring Principle	Laser Scatter Technology			
Testing Items	Regular Parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PDW, MPV, PCT, P-LCR, NEU#, NEU%, LYM#, LYM%, MON#, MON%, EOS#, EOS%, BAS#, BAS% Research Parameters: ALY#, ALY%, IG#, IG%			
Performance	Item	Linear range	Carry over	CV
	WBC	1.0~99.9*10^9/L	≤0.5%	≤2.0%
	RBC	0.3~7.0*10^{12}/L	≤0.5%	≤1.5%
	HGB	20~240g/L	≤0.5%	≤1.5%
	PLT	20~999*10^9/L	≤1.0%	≤4.0%
Storage	100,000 results storage including histogram and scattergram			
LIS Interface	Support HL7 protocol			
QC and Calibration	Multiple QC rules, including L-J, X-B etc Auto and manual calibration function for both whole blood mode and pre-diluted blood mode			
Incubation	Integral titanium incubation system			
Operation Environment	Temperature: 15~30°C			
	Humidity: 30%~85%			
Power supply	AC220V±10% 50/60Hz; 110V±10% 60Hz, 600VA			
Package Size(W*D*H)	750*650*910mm			
Gross Weight	80kg			
Reagent Package Size	320*320*300mm; 340*290*280mm			
Reagent Gross Weight	21kg; 4kg			

5 Part Auto Hematology Analyzer
BK-6500

2 Test Modes:

CBC+5DIFF mode
CBC mode

2 Sample Modes:

Whole blood sample mode
Pre-diluted blood sample mode

Features:

①. Laser scatter technology.
②. Constant linear sheath flow.
③. 3-D topographic technology.
④. Auto-loader, 60 samples/hour.
⑤. Integral titanium incubation system.
⑥. 28 parameters, 2 histograms, 2 scattergrams.
⑦. Random direction tube barcode scanning technology (optional).

Parameters:

Model	BK-6500			
Throughput	60 Tests/hour			
Assay Items	5 parts, 28 parameters, 2 histograms, 2 scattergrams			
Test mode	CBC+5DIFF, CBC			
Measuring Principle	Laser Scatter Technology			
Sample Modes	Autoloader: 50 tubes, auto mixing, random direction tube barcode scanning technology			
	Close tube: STAT priority, support both whole blood and capillary blood samples			
Testing Items	Regular Parameters: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PDW, MPV, PCT, P-LCR, NEU#, NEU%, LYM#, LYM%, MON#, MON%, EOS#, EOS%, BAS#, BAS% Research Parameters: ALY#, ALY%, IG#, IG%			
Linearity Range	Item	Linear range	Carry over	CV
	WBC	1.0~99.9*10^9/L	≤1.0%	≤2.0%
	RBC	0.3~7.0*10^{12}/L	≤1.0%	≤1.5%
	HGB	20~240g/L	≤1.0%	≤1.5%
	PLT	20~999*10^9/L	≤1.0%	≤4.0%
Storage	100,000 results storage including histogram and scattergram			
LIS Interface	Support HL7 protocol			
QC and Calibration	Multiple QC rules, including L-J, X-B etc. Auto and manual calibration funtion			
Incubation	Integral titanium incubation system			
Multi-warning	Reagent inventory check; Abnormal original data warning; Multi warning flags			
Power supply	AC220V±10% 50/60Hz; 110V±10% 60Hz, 600VA			
Operation environment	15~30°C			
Package Size(W*D*H)	820*770*840mm			
Gross Weight	104kg			
Reagent Package Size	320*320*300mm; 340*290*280mm			
Reagent Gross Weight	21kg; 4kg			

Urine Analyzer
UA-100

Features:

①. LCD display, keyboard operation.

②. Save data automatically.

③. Date and number can be input.

④. The color and limpidness can be input.

⑤. Single test and continuous test are available.

⑥. Adopt luminescence source with high brightness to minimize interference of the environment light.

Parameters:

Model	UA-100
Throughput	120 Tests/hour
Display	LCD display
Test Items	PH, Nitrite, Protein,Glucose, Occult blood, Bilirubin,Urobilinogen, Ketone, Specific gravity, Leukocytes,Ascorbic Acid,Color,Limpidness
Principle	Reflection of high-brightness cold light
Printer	Built-in thermal printer, paper type 57mm
Storage	1000 patient datas
Working Environment	Temperature: 0~40°C; humidity: 10~80%
Interface	Standard RS-232 port
Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz
Package Size(W*D*H)	470*410*230mm
Gross Weight	3kg

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

Urinary Sediment Analysis System
US-120

Test items:

Erythrocytes, White blood cells, Pus cells, Squamous epithelial cells, Non-squamous epithelial cell, Clear cast, Unclassified cast, Crystal, Bacteria, Blood bacteria, Sperm, Mucus, etc.

Features:

①. Automatic focusing function, no need of focusing liquid.
②. Sample waiting area can accommodate 60 samples at a time.
③. Automatic orbital 10-tube sample racks continuous sampling.
④. Single needle, 4-channel sampling design, equivalent to 4 instruments in testing.
⑤. Use of planar flow technique, medical image information fusion technology and intelligence visual recognition technology.

Reagent Parameters:

Model	US-120
Test Speed	120 Tests/hour
Counting Cell	Four channels
Sample Volume	≥2.5 ml
Sampling Volume	1ml
Sensitivity	5/μl
Repeatability(CV)	<10%
Pollution Rate	<0.05%
Recognition Rate	>95%
Data Storage	200,000 results
Language	English. Other languages on request
Printer	External printer
Working Environment	18~30°C
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz
Package Size(W*D*H)	1160*640*770mm
Gross Weight	130kg

Auto Electrolyte Analyzer
BKE Series

Features:

①. Automatic electric potential tracking and correcting software to ensure the stable performance.

②. Automatically detect and filter tiny bubbles to avoid clog and ensure accurate measurement.

③. Real-time diagnostic of system working status.

④. Waste liquid automatic detection and alarming.

⑤. Automatic calibration and two-point correction to adjust slope and intercept.

⑥. Wave flushing method and direct flushing pipe method to avoid block and crossed contamination.

⑦. Power failure protection for data storage up to 20000 results.

⑧. Minimum consumption,reduce consumable cost.

⑨. Rapid test speed of 80 tests per hour.

⑩. Option: Sample tray.

Model	Measuring Range	Resolution	Measuring Precision
K^+	0.5~20.0mmol/L	0.01 mmol/L	≤1.0%
Na^+	15~200mmol/L	0.1 mmol/L	≤1.0%
Cl^-	15~200mmol/L	0.1 mmol/L	≤1.0%
Ca^{2+}	0.1~6.0mmol/L	0.01 mmol/L	≤1.0%
Li^+	0.1~5.0mmol/L	0.01 mmol/L	≤2.0%
pH	4~9pH	0.01 pH	≤0.5%
TCO_2	2.0~70.0mmol/L	0.1 mmol/L	≤3.0%

Parameter:

Item	BKE Series	
Sample	Serum, plasma, whole blood, cerebrospinal fluid and dilute urine	
Measuring Speed	≤ 25s	
Analysis Method	Ion selective electrode (ISE)	
Sample Volume	60~300μl (3 parameters to 11 parameters)	
Sample Position	35 Positions (including 1 QC)	
Storage	Up to 10,000 test results	
Printer	Built-in thermal printer	
Interface	RS232 port	
Working Conditions	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz; 120W
	Temperature	10-30°C
	Relative Humidity	≤ 80 %
	Atmospheric Pressure	(86~106) kPa
Package Size (W*D*H)	500*400*710mm	
Gross Weight	15kg	

Model	Test Items
BKE-A	K, Na, Cl
BKE-B	K, Na, Cl, TCO_2
BKE-C	K, Na, Cl, iCa, nCa, TCa, pH
BKE-D	K, Na, Cl, iCa, nCa, TCa, pH, TCO_2, AG
BKE-F	K, Na, Cl, Li
BKE-H	K, Na, Cl, iCa, nCa, TCa, pH, Li
BKE-I	K, Na, Cl, iCa, nCa, TCa, pH, Li, TCO_2, AG
BKE-J	K, Na, Cl, Mg
BKE-K	K, Na, Cl, iCa, nCa, TCa, pH, Mg
BKE-L	K, Na, Cl, iCa, nCa, TCa, pH, Mg, TCO_2, AG

Blood Gas & Electrolyte Analyzer
BGE800 Series

Features:

①. 10.4" TFT touch screen

②. Infrared human-dector

③. Easy to use, fast data input

④. Cost-saving standby mode

⑤. Rich data management

⑥. Flexible and simple calibrants cartridge

⑦. Friendly operation interface

Models:

BGE-800: pH(CH), pCO_2, pO_2, K, Na+, Cl-, Ca++, Hct, B.P.

BGE-800A: pH, pCO_2, pO_2, Hct, B.P.

Measured Parameters:

Test Items	Measuring Range	Unit
pH(CH)	6.000~9.000	pH scale
pCO_2	1.607~26.67	kpa
	8.0~200.0	mmHg
pO_2	0~106.7	kpa
	0~800.0	mmHg
K	0.5~15.0	mmol/L
Na^+	20.0~200.0	mmol/L
Cl^-	20.0~200.0	mmol/L
Ca^{++}	0.3~5.0	mmol/L
Hct	12.0~65.0	%
B.P.	500~800	mmol/L

Derived(Calculated) Parameters	
pH(TC)	pH Temperature Corrected
pCO_2(TC)	pCO_2 Temperature Corrected
pO_2TC)	pO_2 Temperature Corrected
TCO_2	Total Carbon Dioxide
HCO_3	Actual Plasma Bicarbonate
BEb	Base Excess in Blood
BEecf	Base Excess Inextra Cellular Fluids
SBC	Standard Bicarbonate
sO_2%	Calculated Oxygen Saturation Percentage
Ca++(7.4)	Ionized Calcium Normalized" to pH 7.4
TCa	Total Calcium Content
AG	Anion Gap
RI	Respiratory Index
$AaDO_2$	Alveolar Artillery Oxygen Gradient
O_2SAT	Oxygen Saturation
tHb(c)	Hernoglobin (Calculated)

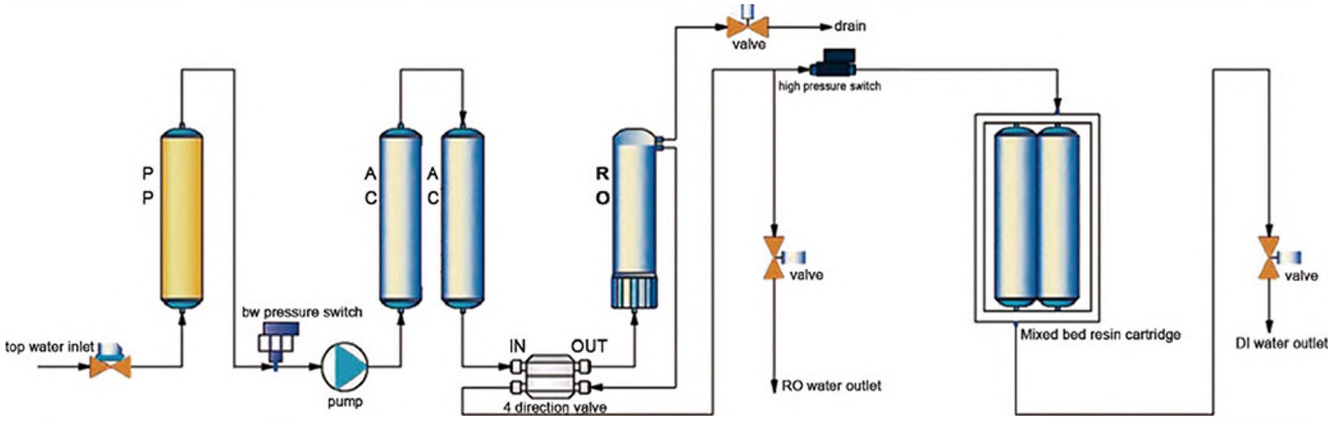
Model	BGE-800/BGE-800A
Sample	Whole blood, Serum, Plasma, Dialysate, CSF
Input Parameters	Patient Temperature,Hemoglobin,FiO2,Barometric pressure
Analysis Time	＜90s
Sample Volume	120ul (whole blood),50ul (capillary blood)
Calibration	Automatic, One-point and Two-point
Data Storage	More than 5000 Results
Display	10.4" TFT Touch Screen
Battery	24V Ni-MH battery, 3.0Ah
Printer	Build in Thermal Printer
Barcode Reader	Multiple Kinds Barcode Type
Interface	Serial Line RS-232
	TCP/IP Interface
	USB Port
	Integrated Bar-code Reader
Working Temperature	15℃~30℃
Storage Environment	5℃~45℃
Power Supply	100-240V~50/60Hz
Package Size(W*D*H)	920*650*610mm(Main instrument), 586*460*380mm(Reagent)
Gross Weight	58.2kg(Main instrument), 9.7kg(Reagent)

Water Purifier (RO & DI water)

SCSJ-I-10L

SCSJ-II-30L

Purifying procedure:



PF: Preteratment Filter AC: Activated Carbon RO: Reverse Osmosis DI: Ion Exchange

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: 5~10 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	
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

По вопросам продаж и поддержки обращайтесь:

Архангельск (8182)63-90-72
Астана +7(7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395) 279-98-46
Киргизия (996)312-96-26-47
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Казахстан (772)734-952-31
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Таджикистан (992)427-82-92-69
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Эл. почта bba@nt-rt.ru || Сайт: https://biobase.nt-rt.ru/