

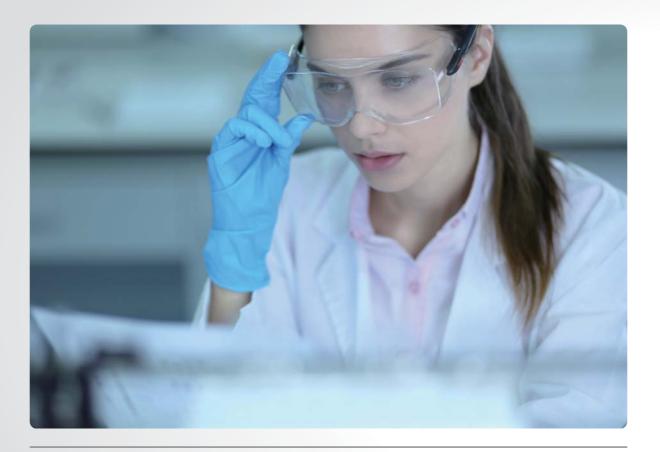
# **Biossays BC2200**

### Automatic Biochemistry System



www.snibe.com

## Outstanding Technology Power of Biochemistry



#### Your Final Diagnostic Solution

Biossays BC2200 automatic biochemistry system designed with such highly customized options and fine performance can always provide a final solution to customers. Fully customized platform can expand with not only biochemistry system, but also E1200 electrolyte and MAGLUMI 4000 Plus immunochemistry module to satisfy future requirement. Biossays BC2200, up to 1600 tests per hour, together with assorted reagents, as well as internal calibrator and multiple level controls, can help the operator get accurate and reliable results more efficiently.



### Advantages of Biossays BC2200

### Automatic Biochemistry System

#### Sample Module

- Independent sample loading module, 280 samples can be loaded at one time on sample racks with barcode label recognition
- Micropipette technology, The minimum sample volume can be 2.0 µL
- Batch, Random access, STAT track

#### Reagent Handling

- R1 & R2 two-reagent trays, each tray has 45 reagent positions, temperature 5°C-15°C, with reagent barcode reader
- Reagent inventory real-time detection, display the remaining number of tests
- Automatic reagent replace function, continuous loading, applied to examination system for mass inspection

#### Photometry System

- Holographic concavity flat field grating, rear spectroscopy technology
- Wavelength range: 340-800 nm, simultaneous detection on the 16 wavelengths, comprehensive coverage of all biochemical reagent testing requirements
- Stable optical path detection system, wide absorbance linear range, high resolution ratio

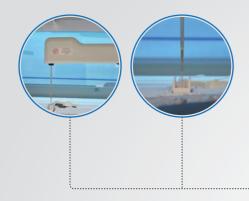
#### Operating System

- Full monitoring, flexibility and convenience
- LIS interface via ethernet or serial port, bidirectional communication

#### Constant Temperature System

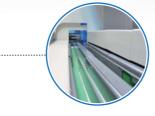
- Constant temperature water bath system, best temperature stability
- Real-time temperature monitoring, displaying and alerting function

### **Biossays BC2200**



#### Dual-needle Sample Probe

- 2.0  $\mu\text{L}$  35.0  $\mu\text{L}$  sample volume with stepping 0.1  $\mu\text{L}$
- Liquid level detection and clot detection
- Crush-proof and self-recovery function
- Highly polished to prevent cross-contamination
- Simple structure for maintenance
- High-efficient adding



#### Transport Channel

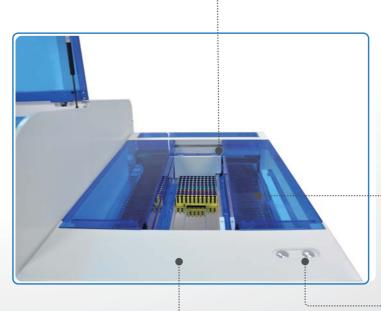
- Highly efficiency with smart sample rack distributing to 4 lanes
- Individual lane for STAT sampleSmart sample rack buffer position
- ensure a continuously sampling



#### **Reaction Disk**

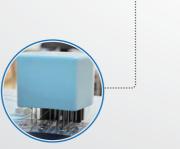
- 330 reaction cuvettes
- 150 µL minimum reaction volume
- High performance optical plastic





#### Dual-head Sample Mixer

- Double wash with pre-heated pure water before mixing
- 1400 rpm high speed flat mixing bar
- Simple structure for maintenance
- High-efficient mixing



#### 10-step Cuvette Washer Station

- Wash with pre-heated pure water and auto-diluted detergent
- Automated cuvette wash & cell blank check

#### Reagent Probe

- 20 µL-350 µL reagent volume with stepping 1 µL
  Liquid level detection
- Crush-proof and self-recovery function
- Highly polished with minimum cross-contamination
- Simple structure for maintenance

#### Ready-to-use Consumables

 Wash concerntrate ready-to-use and automatically prepared by instrument



#### Reagent Handling

- Total 90 reagent positions for R1 and R2
- Continuously loading during measurement
- 5°C-15°C constant cooling



#### Sample Rack Reader

• Intelligent sample recognition system, including RFID & barcode



#### Sample Loading Area

- 280 samples at the same time
- Continuously loading and unloading
- 6 types of racks with different colors: Normal, STAT, Control, Calibrator, Light Check, Remeasure
- All kinds of sample type: Serum, Plasma, Urine, CSF, etc



#### STAT Sample Button

- Click to cut in STAT sample in procedure
- Emergency pause during loading sample rack

## **Operation Software**





#### **Comprehensive Software**

- User-friendly Interface
- Real-time status monitoring for each test
- Monitoring reagent and consumable status
- Intelligent alarm function



#### **Quality Control**

• Westgard rules and Levey-Jennings chart for both internal and external quality control



#### Maintenance Guide

- Ensure performance reliability and reduce unnecessary service calls
- Simple structure easy to maintain



#### **Test Summary Function**

- Test summary including system test, calibration, QC, statistics of samples, valid tests and retests
- Search and review test information conveniently
  Calibration history review and restore



Accurate Pre-dilution
 Pre-dilution function



#### **Connect to LIS (bidirection)**

 Bidirection, serial communication or network communication using ASTM

## **Test Menu**

CKTBAIgACK-MBALT (SGPT)IgM $\alpha$ -HBDHAST (SGOT)IgGLDHALPTransferrin*LDH1GGT*ASOTBIL*RFDBIL*CRP (Full RanFe (Iron)TP*UIBCFe (Iron)*Ammonia*G6PDCa*PA (Prealbumin)*C3P (phos)*AFU*AFU	e)
α-HBDHAST (SGOT)IgGLDHALPTransferrin*LDH1GGT*ASOTBILTBIL*RFDBILCRP (Full RanFe (Iron)TP*UIBCFe (Iron)*Ammonia*G6PDCa*PA (Prealbumin)*C3P (phos)*CHE*CHE	e)
LDH ALP Transferrin *LDH1 GGT *ASO TBIL 7 DBIL 7 DBIL 7 P P (phos) *CHE (Pallbamin) *C3	e)
*LDH1 GGT *ASO TBIL *RF DBIL *CRP (Full Ran *CRP (Full Ran *UIBC	e)
TBIL       *RF         DBIL       *CRP (Full Ran         Inorganic Ion       TP       *UIBC         Fe (Iron)       ALB       *Urine/CSF Proc         Fe (Iron)       *Ammonia       *G6PD         Ca       *PA (Prealbumin)       *C3         P (phos)       *CHE       *C4	e)
DBIL     *CRP (Full Ram       Inorganic Ion     TP     *UIBC       Fe (Iron)     *Ammonia     *G6PD       Ca     *PA (Prealbumin)     *C3       P (phos)     *CHE     *C4	e)
Inorganic Ion     TP     *UIBC       ALB     *Urine/CSF Processor       Fe (Iron)     *Ammonia     *G6PD       Ca     *PA (Prealbumin)     *C3       P (phos)     *CHE     *C4	e)
Inorganic ion     ALB     *Urine/CSF Pro       Fe (Iron)     *Ammonia     *G6PD       Ca     *PA (Prealbumin)     *C3       P (phos)     *CHE     *C4	
ALB     *Urine/CSF Pro       Fe (Iron)     *Ammonia     *G6PD       Ca     *PA (Prealbumin)     *C3       P (phos)     *CHE     *C4	
Ca*PA (Prealbumin)*C3P (phos)*CHE*C4	ein
P (phos) *CHE *C4	
*Mg *AFU *ACP	
*5'- NT *Haptoglobin	
Pancreatic Diabetes ISE	
α-AMY GLU Na	
*LIP LAC K	
*HbA1c Cl	
*GSP Ca	
*D3-HB pH	
HDL-C Renal	
LDL-C Cr (CREA)	
TC Uric Acid	
TG Urea	
ApoE *Cysc	
Lp(a) *mALB	
Hcy *α1-MG	
ApoA1 *β2-MG	
ApoB *Urine/CSF Protein * Available s	
*RBP	on

### Biossays BC2200 Automatic Biochemistry Analyzer

### **Technical Specifications**

Type of system         • Automated discrete, STAT priority           Throughput         • 1600 tests/hour           Measuring principles         • Endpoint, rate, kinetin, fixed-time technology           Sample volume         • 2.0 µL - 35.0 µL 0.1 µL stepping           Sample needle         • Liquid level detection, Crush proof           Reagent needle         • Liquid level detection, Crush proof           Reagent storage temperature         • 8°C-15°C, refrigerated by semiconductors           Readent or Up number         • 3:30 reaction cuvettes totally           Optical path         • 6 mm           Reaction cup number         • 150 µL - 450 µL           Reaction temperature         • 87.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C           Stirring method         • 6 mm           Reaction temperature         • 87.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C           Stirring method         • Auto-wash of reaction cuvets, reagent needles, sample needles, mixers           Light source         • Durable halogen tungsten lamp with 100W/12V           Wavelength         • 16 wavelength           • 16 wavelength         • 300 nm, 830 nm, 480 nm, 450 nm, 750 nm	rechnical opecifications	
Measuring principles <ul> <li>Endpoint, rate, kinetic, fixed-time technology</li> <li>Sample volume</li> <li>2.0 µL - 35.0 µL, 0.1 µL stepping</li> <li>Sample needle</li> <li>Elquid level detection, Crush proof</li> <li>Reagent needle</li> <li>Elquid level detection, Crush proof</li> <li>Reagent handling</li> <li>R1 and R2 reagent disks with cooling function and 45 reagent positions for each disk</li> <li>Reagent volume</li> <li>2.0 µL - 35.0 µL, 1 µL stepping</li> <li>Reagent storage temperature</li> <li>S1C-15°C, refrigerated by semiconductors</li> <li>Reaction cup number</li> <li>300 reaction cuvettes totally</li> <li>Optical path</li> <li>6 mm</li> <li>Reaction temperature</li> <li>9.10° L + 450 µL</li> <li>Reaction temperature</li> <li>9.10° C ± 0.3°C, fluctuations not greater than ± 0.2°C</li> <li>Stirring method</li> <li>Separated mixing after adding reagent</li> <li>Washing method</li> <li>Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers</li> <li>Elght source</li> <li>Durable halogen tungsten lamp with 100W/12V</li> <li>Wavelength</li> <li>6.40 mm, 300 nm, 450 nm, 450 nm, 505 nm, 546 nm, 550 nm, 780 nm, 7</li></ul>	Type of system	Automated discrete, STAT priority
Constraint# 2.0 µL - 35.0 µL, 0.1 µL steppingSample needle# Liquid level detection, Crush proofReagent needle# Liquid level detection, Crush proofReagent handling# R1 and R2 reagent disks with cooling function and 45 reagent positions for each diskReagent storage temperature# 5°C-15°C, refrigerated by semiconductorsReaction cup number# 330 reaction cuvettes totallyOptical path# 6 mmReaction volume# 150 µL - 450 µLReaction temperature# 70°C ± 0.3°C, fluctuations not greater than ± 0.2°CStirring method# Separated mixing after adding reagentWashing method# Auto-wash of reaction cuvetts, reagent needles, sample needles, mixersLight source# Durable halogen tungsten lamp with 100W12VWavelength* 16 wavelengths * 910 nm, 800 nm, 450 nm, 450 nm, 505 nm, 760 nm, 780 nm, 800 nm s70 nm, 600 nm, 600 nm, 600 nm, 700 nm, 720 nm, 780 nm, 800 nm s70 nm, 600 nm, 600 nm, 700 nm, 720 nm, 780 nm, 800 nmDispensing system* Independent sample and reagent probe with liquid level detection, liquid surface verification and cloid detectionDilution* Auto-dilution, retestSoftware function* English operation software monitoring the entire process, a variety of user modes availablePower* Sample processing module: 700 VA * Biochemistry (including sample tracks): 1800 VA * Biochemistry (including sample trac	Throughput	• 1600 tests/hour
Sample needle• Liquid level detection, Crush proofReagent needle• Liquid level detection, Crush proofReagent handling• R1 and R2 reagent disks with cooling function and 45 reagent positions for each diskReagent storage temperature• 5°C-15°C, refrigerated by semiconductorsReaction cup number• 330 reaction cuveties totallyOptical path• 6 mmReaction temperature• 150 µL - 450 µLReaction temperature• 37.0°C± 0.3°C, fluctuations not greater than ± 0.2°CStirring method• Separated mixing after adding reagentWashing method• Auto-wash of reaction cuveties, reagent needles, sample needles, mixersLight source• 0 ABS - 3.0 ABSDispensing system• Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detectionDilution• Auto-dilution, retestSoftware function• English operation software monitoring the entire process, a variety of user modes availablePower• Sample processing module: 600 VA Biochemistry (including sample tracks): 120 m1102 cm Biochemistry (including sample tracks): 120 m1102 cmWeight• Sample processing module: 72 m119 cm1102 cm Biochemistry (including sample tracks): 120 m1102 cmWeight• Sample processing module: 72 m119 cm1102 cm Biochemistry (including sample tracks): 440 kg	Measuring principles	<ul> <li>Endpoint, rate, kinetic, fixed-time technology</li> </ul>
Reagent needle       • Liquid level detection, Crush proof         Reagent handling       • R1 and R2 reagent disks with cooling function and 45 reagent positions for each disk         Reagent storage temperature       • SC-15C, refrigerated by semiconductors         Reaction cup number       • 330 reaction cuvettes totally         Optical path       • 6 mm         Reaction temperature       • 97.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Suparated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths         • 340 nm, 380 nm, 450 nm, 450 nm, 750 nm, 750 nm, 780	Sample volume	● 2.0 μL - 35.0 μL, 0.1 μL stepping
Reagent handling       • R1 and R2 reagent disks with cooling function and 45 reagent positions for each disk         Reagent volume       • 20 µL - 350 µL. 1 µL stepping         Reagent storage temperature       • 5°C-15°C, refrigerated by semiconductors         Reaction cup number       • 330 reaction cuvettes totally         Optical path       • 6 mm         Reaction temperature       • 97.0°C± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths • 340 nm, 380 nm, 450 nm, 450 nm, 720 nm, 750 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS - 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Power       • Sample processing module: 600 VA         Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 122 cm <sup>+</sup> 119 cm <sup>+</sup> 140 cm         Weight       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 122 cm <sup>+</sup> 119 cm <sup>+</sup> 140 cm         • Sample processing module: 600 VA	Sample needle	<ul> <li>Liquid level detection, Clot detection, Crush proof</li> </ul>
Reagent volume       • 20 µL - 350 µL, 1 µL stepping         Reagent storage temperature       • 5°C-15°C, refrigerated by semiconductors         Reaction oup number       • 330 reaction cuvettes totally         Optical path       • 6 mm         Reaction temperature       • 150 µL - 450 µL         Reaction temperature       • 37 0°C ± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths         • 340 nm, 380 nm, 450 nm, 450 nm, 700 nm, 720 nm, 750 nm, 800 nm         Absorbance range       • 0 ABS - 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clid detection         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 1800 VA       • Sample processing module: 500 VA         • Biochemistry (including sample tracks): 1800 VA       • Sample processing module: 72 cm*119 cm*140 cm         Weight       • Sample processing module: 72 cm*119 cm*140 cm <t< td=""><td>Reagent needle</td><td>Liquid level detection, Crush proof</td></t<>	Reagent needle	Liquid level detection, Crush proof
Reagent storage temperature         * 5°C-15°C, refrigerated by semiconductors           Reaction cup number         • 330 reaction cuveties totally           Optical path         • 6 mm           Reaction temperature         • 370 °C ± 0.3°C, fluctuations not greater than ± 0.2°C           Stirring method         • Separated mixing after adding reagent           Washing method         • Auto-wash of reaction cuvetis, reagent needles, sample needles, mixers           Light source         • Durable halogen tungsten lamp with 100W/12V           Wavelength         • 16 wavelengths • 340 nm, 380 nm, 450 nm, 450 nm, 505 nm, 546 nm, 570 nm, 600 nm, 630 nm, 600 nm, 700 nm, 720 nm, 780 nm, 800 nm           Absorbance range         • 0 ABS~3.0 ABS           Dispensing system         • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection           Power         • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA           Power         • Sample processing module: 72 cm*119 cm*102 cm • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm           Weight         • Sample processing module: 72 cm*119 cm*140 cm           • Biochemistry (including sample tracks): 440 kg           • Biochemistry (including sample tracks): 440 kg	Reagent handling	<ul> <li>R1 and R2 reagent disks with cooling function and 45 reagent positions for each disk</li> </ul>
Reaction cup number       • 330 reaction cuvettes totally         Optical path       • 6 mm         Reaction volume       • 150 µL - 450 µL         Reaction temperature       • 37.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths         • 340 nm, 380 nm, 450 nm, 450 nm, 450 nm, 505 nm, 546 nm, 570 nm, 800 nm         Absorbance range       • 0 ABS ~ 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 1800 VA       • Sample processing module: 72 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg       • Biochemistry (including sample tracks): 440 kg	Reagent volume	● 20 μL - 350 μL, 1 μL stepping
Optical path         • 6 mm           Reaction volume         • 150 μL - 450 μL           Reaction temperature         • 37.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C           Stirring method         • Separated mixing after adding reagent           Washing method         • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers           Light source         • Durable halogen tungsten lamp with 100W/12V           Wavelength         • 15 wavelengths • 340 nm, 800 nm, 450 nm, 450 nm, 450 nm, 700 nm, 700 nm, 700 nm, 700 nm, 700 nm, 800 nm           Absorbance range         • 0 ABS ~ 3.0 ABS           Dispensing system         • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection           Software function         • Auto-dilution, retest           Software function         • English operation software monitoring the entire process, a variety of user modes available           Power         • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA           Dimension         • Sample processing module: 72 cm*119 cm*102 cm • Biochemistry (including sample tracks): 122 cm*1140 cm           Weight         • Sample processing module: 240 kg • Biochemistry (including sample tracks): 140 kg	Reagent storage temperature	• 5°C-15°C, refrigerated by semiconductors
Reaction volume       • 150 µL - 450 µL         Reaction temperature       • 97.0°C ± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetis, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths • 340 nm, 380 nm, 450 nm, 450 nm, 450 nm, 505 nm, 546 nm, 570 nm, 600 nm, 500 nm, 700 nm, 720 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS – 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*140 cm         • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         • Biochemistry (including sample tracks): 440 kg         • Biochemistry (including sample tracks): 440 kg         • Biochemistry (including sample tracks): 440 kg	Reaction cup number	<ul> <li>330 reaction cuvettes totally</li> </ul>
Reaction temperature       97.0°C± 0.3°C, fluctuations not greater than ± 0.2°C         Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths • 340 nm, 450 nm, 450 nm, 450 nm, 450 nm, 505 nm, 546 nm, 570 nm, 600 nm, 630 nm, 660 nm, 700 nm, 720 nm, 750 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS - 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm • Biochemistry (including sample tracks): 1800 VA         Weight       • Sample processing module: 240 kg • Biochemistry (including sample tracks): 440 kg         Water consumption       • Pure water consumption not greater than 45 L/H	Optical path	• 6 mm
Stirring method       • Separated mixing after adding reagent         Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths         • 340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 570 nm, 600 nm, 600 nm, 630 nm, 660 nm, 700 nm, 720 nm, 750 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS ~ 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*140 cm         • Biochemistry (including sample tracks): 440 kg       • Sample processing module: 240 kg         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg       • Pure water consumption not greater than 45 L/H	Reaction volume	● 150 μL - 450 μL
Washing method       • Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers         Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths         • 340 nm, 380 nm, 405 nm, 450 nm, 480nm, 505 nm, 546 nm, 570 nm, 600 nm, 600 nm, 700 nm, 720 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS~3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA         Biochemistry (including sample tracks): 1800 VA       • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg       • Biochemistry (including sample tracks): 440 kg	Reaction temperature	• $37.0^{\circ}C \pm 0.3^{\circ}C$ , fluctuations not greater than $\pm 0.2^{\circ}C$
Light source       • Durable halogen tungsten lamp with 100W/12V         Wavelength       • 16 wavelengths • 340 nm, 380 nm, 405 nm, 450 nm, 450 nm, 505 nm, 546 nm, 570 nm, 600 nm, 630 nm, 660 nm, 700 nm, 720 nm, 750 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS~3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Vater consumption       • Pure water consumption not greater than 45 L/H	Stirring method	<ul> <li>Separated mixing after adding reagent</li> </ul>
Wavelength       • 16 wavelengths • 340 nm, 380 nm, 405 nm, 450 nm, 480nm, 505 nm, 546 nm, 570 nm, 600 nm, 630 nm, 660 nm, 700 nm, 720 nm, 750 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS ~ 3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power       • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg • Biochemistry (including sample tracks): 440 kg         Water consumption       • Pure water consumption not greater than 45 L/H	Washing method	<ul> <li>Auto-wash of reaction cuvetts, reagent needles, sample needles, mixers</li> </ul>
Wavelength       • 340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 570 nm, 700 nm, 700 nm, 720 nm, 720 nm, 780 nm, 800 nm         Absorbance range       • 0 ABS~3.0 ABS         Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power supply       • 120/230 Vac, 50/60 Hz         Dimension       • Sample processing module: 600 VA         Biochemistry (including sample tracks): 1800 VA         Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg         • Dure water consumption       • Pure water consumption not greater than 45 L/H	Light source	<ul> <li>Durable halogen tungsten lamp with 100W/12V</li> </ul>
Dispensing system       • Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power supply       • 120/230 Vac, 50/60 Hz         Power       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm         • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg         • Pure water consumption not greater than 45 L/H	Wavelength	• 340 nm, 380 nm, 405 nm, 450 nm, 480nm, 505 nm, 546 nm,
Disperising system       surface verification and clot detection         Dilution       • Auto-dilution, retest         Software function       • English operation software monitoring the entire process, a variety of user modes available         Power supply       • 120/230 Vac, 50/60 Hz         Power       • Sample processing module: 600 VA • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg • Biochemistry (including sample tracks): 440 kg         Water consumption       • Pure water consumption not greater than 45 L/H	Absorbance range	• 0 ABS~3.0 ABS
Software function       • English operation software monitoring the entire process, a variety of user modes available         Power supply       • 120/230 Vac, 50/60 Hz         Power       • Sample processing module: 600 VA         Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm         Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         Weight       • Sample processing module: 240 kg         • Pure water consumption       • Pure water consumption not greater than 45 L/H	Dispensing system	<ul> <li>Independent sample and reagent probe with liquid level detection, liquid surface verification and clot detection</li> </ul>
Power supply       • 120/230 Vac, 50/60 Hz         Power       • Sample processing module: 600 VA         Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm         Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         Biochemistry (including sample tracks): 440 kg         • Dimension	Dilution	Auto-dilution, retest
Power       • Sample processing module: 600 VA         • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm         • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         • Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg         • Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg         • Pure water consumption not greater than 45 L/H	Software function	• English operation software monitoring the entire process, a variety of user modes available
Power       • Biochemistry (including sample tracks): 1800 VA         Dimension       • Sample processing module: 72 cm*119 cm*102 cm         • Biochemistry (including sample tracks): 122 cm*119 cm*140 cm         Weight       • Sample processing module: 240 kg         • Biochemistry (including sample tracks): 440 kg         • Water consumption         • Pure water consumption not greater than 45 L/H	Power supply	• 120/230 Vac, 50/60 Hz
Biochemistry (including sample tracks): 122 cm*119 cm*140 cm     Sample processing module: 240 kg     Biochemistry (including sample tracks): 440 kg     Pure water consumption not greater than 45 L/H	Power	
Weight     Biochemistry (including sample tracks): 440 kg      Water consumption     Pure water consumption not greater than 45 L/H	Dimension	
Water consumption <ul> <li>Pure water consumption not greater than 45 L/H</li> <li>Wash liquid consumption less than 280 mL/H</li> </ul>	Weight	
	Water consumption	

