

BC 1200

Chemistry System



Technical Specifications

Type of system	Automated discrete, STAT priority
Throughput	Constant 1200 test/h (biochemistry 600 test/h, standard configuration ISE 600test/h)
Measuring principle	Endpoint, rate, fixed-time, colorimetry, turbidimetry, ion-selective electrode technology
Calibration method	1-point linear method, 2-point linear method, multipoint linear method, non-linear method
Sample handling	115 sample positions, continuous loading, support polytype primary tube & microcontainer cup
Reagent handling	2 trays, 90 positions, refrigerated with independent power switch, continuous loading
Sample volume	2 uL – 35 uL, 0.1 uL stepping
Reagent volume	20 uL -350 uL, 1 uL stepping
Reaction volume	Minimal reaction volume as low as 150 uL
Reaction cuvette	120, optical diameter is 6 mm
Reaction temperature	37°C ± 0.1°C
Light source	Halogen lamp, lifespan up to 2500 hours
Photometer	Holographic Concavity flat field grating, rear spectroscopy technology
Absorbance range	0 – 3.0 Abs
Wavelength	340nm, 380nm, 405nm, 450nm, 480nm, 505nm, 546nm, 570nm, 600nm, 630nm, 660nm, 700nm, 720nm, 750nm, 780nm, 800nm
Dispensing system	Independent sample and reagent probes with liquid level detection, liquid surface verification and clot detection
Mixing system	2 independent paddle stirrers, polished with Nano material which ensure excellent reaction conditions
Washing station	Reaction cuvette: 7-step auto-washing Dispensing probe: high-pressure rinsing internally, stream washing for external Mixing bar: stereoscopic vortex priming
Water consumption	Deionized water 15 liter / hour
Dilution	Auto-dilution, retest
Software function	English operation software monitoring the entire process, a variety of user modes available
Power supply	AC 100-240VA, 50-60Hz
Power	1400VA
Temperature	10°C – 30°C
Dimensions	1220mm x800mm x1150mm
Weight	230Kg

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DISTRIBUTOR:

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TEST MENU

Lipids ISE

HDL-C	K
LDL-C	Na
TC	Cl
TG	Ca
ApoE	
Lp(a)	
Hcy	

Hepatic

TBA
ALT
AST
ALP
GGT
TBIL
DBIL
TP
ALB

Renal

Cr
UA
Urea

Cardiac

CK
CK-MB
α-HBDH
LDH

Diabetes

GLU

Pancreatitis

α-AMY

THROUGHPUT

- Constant 1200 test/h (biochemistry 600 test/h, standard configuration ISE 600test/h)

SAMPLE AND REAGENT DISPENSING SYSTEM

- Large sample and double reagent trays
- Micropipetter technology, Minimal reaction volume low to 150 uL
- Vibrating paddle mixers, full mixing
- 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: 340-800nm, simultaneously on the 16 wavelength for detection, comprehensive coverage of all biochemical reagent testing requirements
- Stable optical path detection system, wide absorbance linear, high resolution ratio

CONSTANT TEMPERATURE SYSTEM

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

OPERATING SYSTEM

- English version software with full monitoring flexible and convenient