BCA 300

Automatic Chemistry Analyzer

BIO CP™ Healthcare Pvt. Ltd.
The quality you deserve, we reserve

|| Specifications ||

·Assay methods	End Point, Kinetic, Fix time etc.	
·Principle	Photoelectric colorimetry	
·Light Source	Halogen lamp 12V/20W	
·Photometry range	0~3.2Abs	
·Resolution	0.0001Abs	
·Wavelength	10 wavelengths optional (340nm~800nm)	
·Throughput	300tests/hour	
·Reagent tray	59 reagent positions, 1 detergent position	
·Sample tray	71 sample positions, including detergent, standard, QC, STAT positions	
·Reaction tray	120 reaction cuvettes	
·Sample volume	2~100uL,with 0.1uL increment	
·Reagent volume	R1:10~500uL, R2: 10~500uL,with 0.5uL increment	
·Minimum reaction volume	150uL	
·Maximum reaction time	10 minutes	
·Water Consumption	6L/hour under working status	
·Clean unit	8-step auto-washing system with detergent and 37°C water	
·Calibration	Calibration reset, select best test point by reaction curve, no need second calibration Line/non-line; multi-standards assay	
·Control rules	Westgard multi-rule, Cumulative sum check, Twin plot 3 level controls for each item, analyzing and printing QC analysis diagram	
·Temperature control	incubator 37±0.1°C	
·Power supply	AC110/230(1±10%)V,50/60Hz,500VA	
·Ambient	Operating temperature	10~30°C
	Relative humidity	≤85%
	Atmospheric pressure	86~106kPa

|| Features ||

·24 hour non-stop cooling system to ensure reagent at 2-8°C

·Dual-unattached durable ceramic syringes to ensure accuracy & precision

·Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests

·Automatic eligible cuvettes detection & selection

·Select best test point by reaction curve, create new factor automatically

·High accurate optical system

·Support LIS interface

Manufactured for

BIO CP HEALTH CARE PRIVATE LIMITED

BIO CP™ Healthcare Pvt. Ltd.

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Unique High Performance Stable Optical System

BCA 300

Automatic Chemistry Analyzer

- Random access, 300 tests per hour
- Dual–unattached durable ceramic syringes
- Unattached probe,high–performance mixer
- Select best test point by reaction curve, create new factor automatically
- Water cycle refrigeration system

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Automatic Chemistry Analyzer

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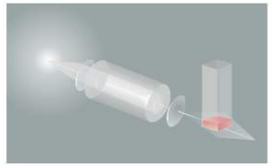
Accurate Sampling（Sample/Reagent）System

- Collision protection
- Liquid level detection
- Internal and external probe washing
- Probe depth adjustment automatically

High performance mixer design

- Absence of cross contamination
- Optimal homogenization in minimum time
- Mixing immediately after dispensing of sample and the second reagent

Stable Optical System

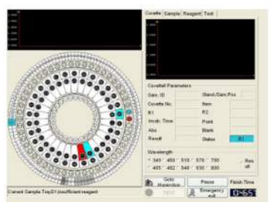


- High accurate, close, static state optical system
- Spot photometry with high speed digital transmission system
- Durable cuvettes
- 8–step auto–washing system with detergent and deion–water to ensure cuvettes clean and decrease cross contamination
- 120 reaction cuvettes located in a constant temperature incubator
- Low consumption, open reagent design

Multi–function sample/reagent tray

- 60 reagent positions, support 25mL, 50 mL reagent bottle type.
- 71 sample positions including routine, stat, control and standard
- Various primary tubes and special cups can be used
- Up to 20 virtual sample tray can be programmed
- 24 hours nonstop cooling system with peltier element and circular water

Dynamic and real time display of running status



- Running status of reagent tray, sample tray and reaction tray
- Real time monitoring of reagent residual volume
- Intelligent carry over setting to adjust test sequence, STAT test priority
- Probe depth adjustment automatically
- Real time monitoring of reaction curve
- Real time diagnosis of system working status