

BCA 200

Automatic Chemistry Analyzer

BIO CPTM
The quality you deserve, we reserve

Unique high performance stable optical system

Specifications

Assay methods:	End Point, Kinetic, Fix time, Turbidometry etc.
Principle:	Photoelectric colorimetry
Light Source:	Halogen lamp 12V/20W
Photometry range:	0 ~ 3.2 Abs
Resolution:	0.0001 Abs
Wavelength:	340nm\405nm\450nm\492nm\510nm\546nm\578nm\630nm\700nm\800nm
Throughput:	200 tests/hour
Reagent tray:	60 reagent positions (include 1 detergent position, 1 dilution position)
Sample Type:	Serum, Plasma, CSF, Urine, etc
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:	5 L / hour under working status
Clean unit:	8-step auto-washing system with detergent
Calibration:	Calibration reset, select best test point by reaction curve, Exponential no need for second calibration Line/non-line; multi-standards assay
Control rules:	Westgard multi-rule, L.J. Plot Cumulative sum check, Twin plot 3 level controls for each item, analysing and printing QC analysis diagram
Temperature control:	incubator 37°C ± 0.1
Power supply:	AC 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
- Durable ceramic syringes to ensure accuracy & precision
- High accurate optical system
- 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
- Support LIS interface



BCA 200 Automatic Chemistry Analyzer

- Random access, 200 tests per hour
- Durable ceramic syringes
- Select best test point by reaction curve, create new factor automatically
- Support bi-direction LIS and HIS interface

Manufactured for

BIO CP HEALTH CARE PRIVATE LIMITED



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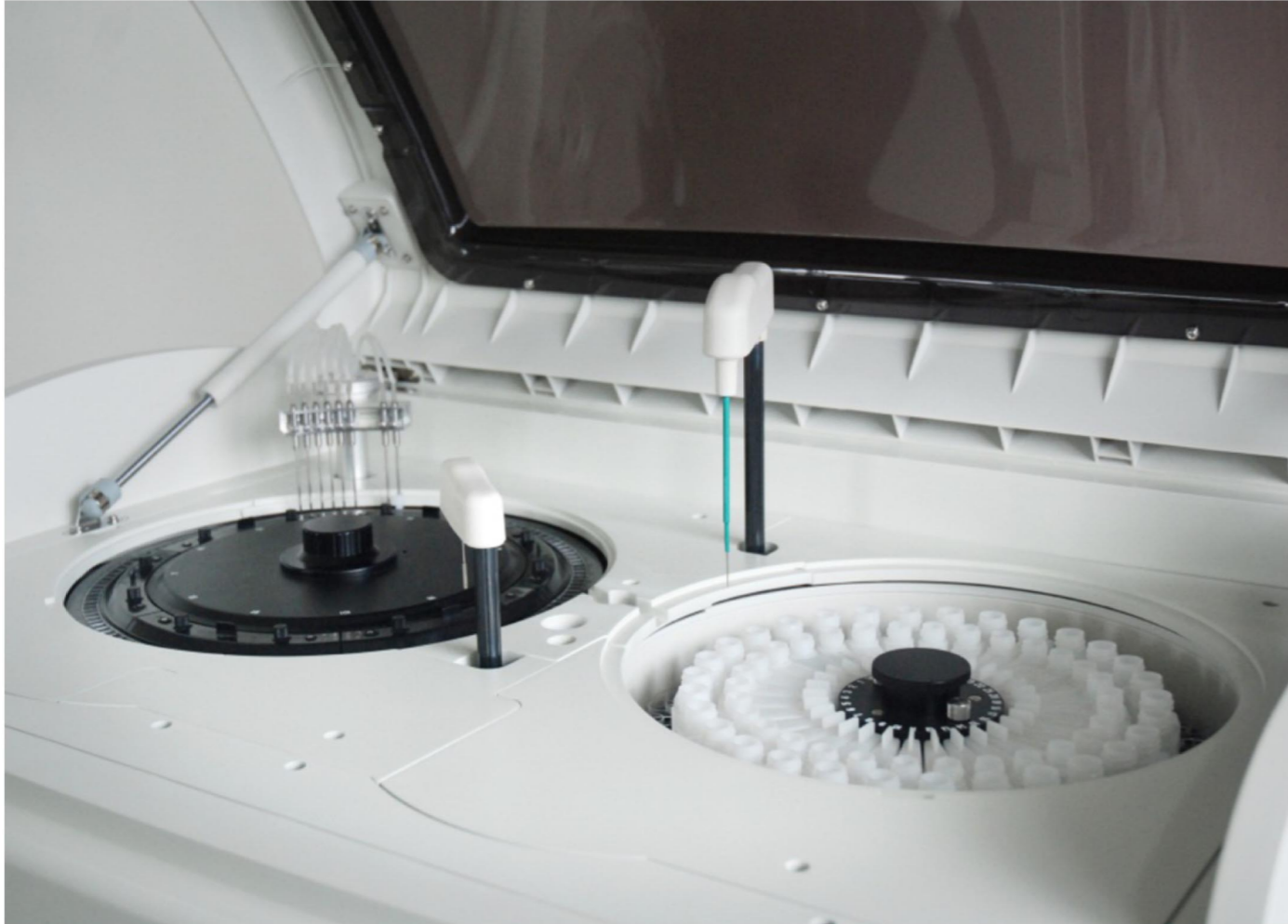
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Specifications subject to change without notice

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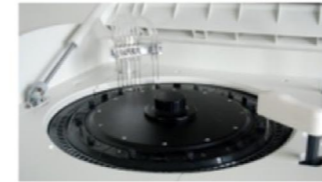


Accurate Sampling (Sample/Reagent) System

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

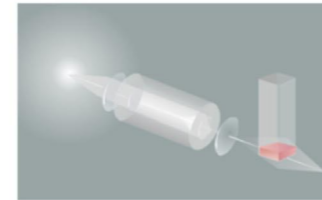


High performance mixer design



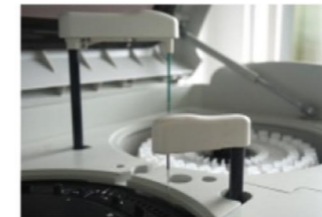
- ✔ Absence of cross contamination
- ✔ Optimal homogenization in minimum time
- ✔ Mixing immediately after dispensing of sample and the second reagent

Stable Optical System



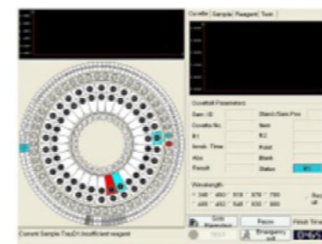
- ✔ High accurate, close, static state optical system
- ✔ Spot photometry with high speed digital transmission system
- ✔ Durable cuvettes
- ✔ 8-step auto-washing system with detergent and deion-water to ensure cuvettes clean and decrease cross contamination
- ✔ 120 reaction cuvettes located in a constant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

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