



FLAWLESS SOLUTION FOR YOUR BIOCHEMISTRY WORKLOAD

BONAVERA^{CHEM} 200^{PLUS}



Long Lasting Consistency

Precision & Accuracy

Powerful Backup

Ease of Use

Economy

FULLY AUTOMATED BIOCHEMISTRY ANALYZER

FEATURES

Random access and discrete biochemistry analyzer, with throughput of 200 test per hour with STAT function

Multifunction probe with LLD sensor ensures accurate results

High and durable ceramic syringe for effective pipetting

40 reagent and sample position with on board refrigeration

44 semi permanent pyrex cuvettes with on-board laundry system

Available with ready to use system packs

User-friendly operating system



+91-8488995888

+91-8488994888 | +91-8488993888



beacontact@beaconindia.com



40 Sample Position & 40 Reagent Position

On board refrigeration

Barcoded reagent system



High efficiency pyrex cuvettes

Individually replaceable cuvettes

Solid state heating system ($37 \pm 0.1^\circ\text{C}$)



External and internal washing

Waterfall washing station of probe

Optimizing probe cleaning to avoid carry over



Teflon coated mixer

Ensure no water dropping (reduces carryover)

Homogenous mixing for accurate results



Onboard lamp window

Lamp alignment not required

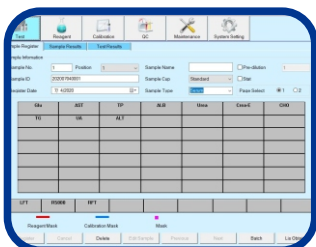
Intensity measured Halogen lamp



Durable visible ceramic piston

Accurate dispensing with $0.1 \mu\text{l}$ step

Minimum maintenance



Windows 10

Rejected Cuvette Memory

Quality control L-J curve, westgard and cum. mean



Practical Solution for Automation



CERAMIC PISTON : Precise and accurate pipetting (as low as 2 μ l) long life ceramic piston, *save time & cost*

BLACK BOX OPTICAL SYSTEM : Dust/Moisture Proof covered optical system increase efficiency & *cost of maintenance*

LAMP WINDOW : Easy to change lamp, minimize downtime

CUVETTES : High precision, long lasting Pyrex cuvettes, individually replaceable, *save cost*

INSTRUMENT REAGENT SYNERGY : Barcoded System, Auto programming /positing of reagent

COMPLETE SOLUTION : System pack reagent, controls, calibrator. *Convenient inventory management*

COST PER TEST : Proven Cost effectiveness

HbA1c	HDL	ASO TURBI	CRP TURBI	RF TURBI	LDL	LDH
ALBUMIN	GLUCOSE	AMYLASE	LIPASE	BILIRUBIN (T&D)	SGOT	SGPT
CALCIUM	CHOLESTEROL	UREA UV	CREATININE (ENZYMATIC)	MAGNESIUM	TOTAL PROTEIN	URIC ACID
PHOSPHORUS	CK-NAC	ALP	TG	VITAMIN D	IRON*	

TECHNICAL SPECIFICATIONS

BONAVERA^{CHEM} 200^{PLUS}

General Information

Machine Type	: Random access
Test Speed	: Constant 200 tests/hour (Mono Reagent or Double Reagent)
Test Principle	: Colorimetric method, turbidimetry, Immuno turbidimetry
Test Method	: 1 Point End, 2 Point End, Fixed Time and Kinetics
Calibration Type	: Linear and Non Linear
1 Point Linear, 2 Point Linear, Exponential	
Logi - 10g, 3P, 4P, Multi-point Linear, Spline, Line Graph	

Sample Unit

Sample Tray	: 40 Sample Positions
Sample Tube	: Micro Cup & Test Tube & Blood Collection Tube (Φ 12 - 13) mm * (25 - 100) mm
Sample Volume	: 2 - 30 μ L, Step by 0.1 μ L
Sample Probe	: Liquid surface detection, timely tracking for liquid volume Collision Protection
Sample Barcode	: Sample barcode reader inbuilt

Reagent Unit

Reagent Tray	: 40 Reagent Positions (40 for R1 or 40 for R2) 24 hours cooling system with paltier pad inside
Reagent Volume	: 20 – 300 μ L, Step by 1 μ L

Reaction Unit

Reaction Tray	: 44 reaction new pyrex cuvettes, perfect transmittance
Reaction Volume	: 150 μ L - 330 μ L

Mixing system

Mixer	: Paddle-type mixing, effective and reducing carryover
-------	--

Optical System

Light Source	: Halogen Lamp
Wave Length	: 340nm; 405nm; 450 nm; 505nm; 546nm; 578nm; 630nm; 700nm
Absorbance Range	: 0 – 4.0 Abs
Resolution	: 0.0001 Abs

Operating system

Operating System	: Windows XP, Windows 7, Windows 8, Windows 10
Report Printing	: 6 Formats Optional, Support Custom Formats
Interface	: Pattern, TCP/IP network Interface

Working Conditions

Power Supply	: AC 110/220V \pm 10%, 50/60 Hz, 1000VA
Water consumption	: 8L/hour (maximum)
Dimension	: 750mm * 550mm * 490mm (L*W*H)
Weight	: 70 kgs

Power Supply

110/220V \pm 10%, 50/60 Hz, 1000VA,
Earthing voltage < 5V online ups (230V) with isolated transformer 2KVA



BIOGENY DIAGNOSTICS PVT. LTD.

Factory & Registered Office:

Plot No.1,2 Survey No. 169 (Sisodra) Near Plot No. 425,
New GIDC, Kabilpore, Navsari - 396 424, (Guj), India
Web : www.thebeaongroup.co.in | CIN No. : U24299GJ2009PTC057520

