BC200
Fully Auto Biochemistry Analyzer

Technical specfications

General information

Machine type	Random access, closed system
Test speed	Constant 200 tests/hour (Mono reagent or double reagent)
Test principle	Colorimetric method, turbidimetry
Test method	1 point end, 2 point end, Fixed-Time, kinetics
Calibration type	Linear & nonlinear

Mixing system

Mixer	Paddle-type mixing, effective reducing of carry-over

Sample unit

Sample tray	40 sample positions
Sample tube	Micro cup & test tube & blood collection tube can be used. (⌀ 12-13)mm* (25-100)mm
Sample volume	2-30µl, step by 0.1µl
Sample Probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
Sample barcode	Inbuilt sample barcode reader

Optical system

Light source	Halogen lamp
Wavelength	340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm; 700nm(4 more options)
Absorbance range	0-4.0 Abs
Resolution	0.0001 Abs

Reagent unit

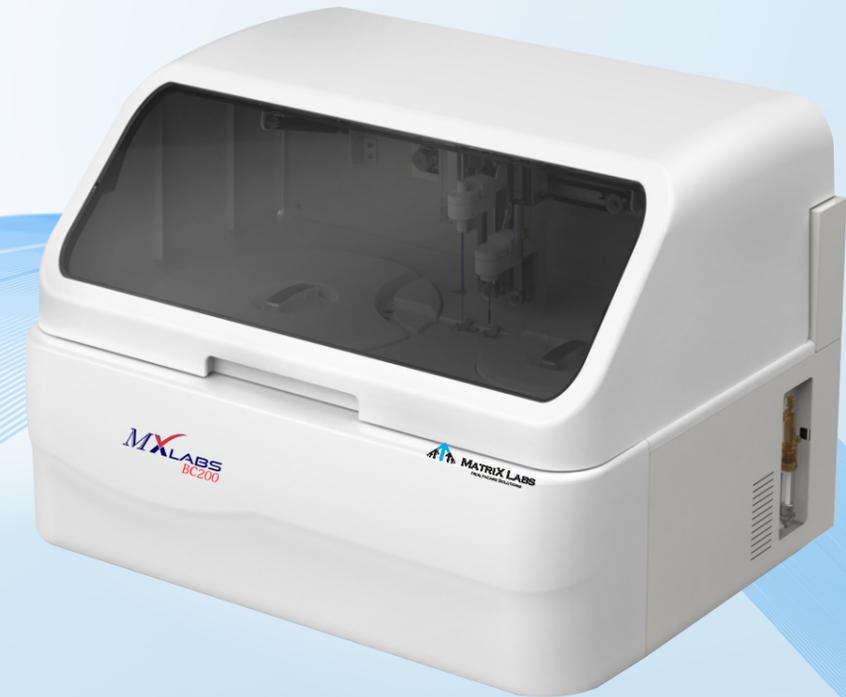|	
Reagent tray	40 reagent position , Non-stop cooling system with peltier pad inside, 24 hours 2 °C-14 °C, closed system.
Reagent volume	20-300µl, step by 1µl
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
Reagent barcode	Inbuilt reagent barcode reader

Operating system

Operation system	Windows XP, windows 7, windows 8, windows 10
Data processing	Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction, dirty cuvette memory, corss infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management.
Report printing	6 formats optional, support custom pattern
Interface	TCP/IP network interface

Reaction unit

Reaction tray	44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume	150µl-330µl
Reaction time	10 minutes
Temperature	Peltier pad incubation system, reaction temperature (37 °C ± 0.1 °C)

Working condition

Power supply	AC 110/220V ± 10%, 50/60 Hz, 650W
Water consumption	6L/hour(maximum)
Dimension	750mm * 535mm * 475mm(L*W*H)
Weight	80Kg

"Touching Human Lives Through Innovation"

200 test / hour with double reagent

MatriX Labs
HEALTHCARE SOLUTIONS

MatriX Labs
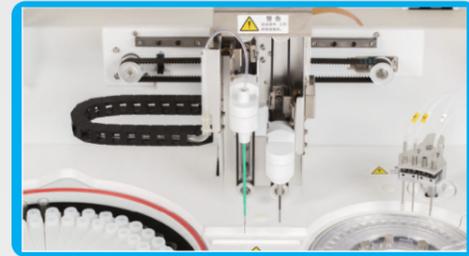HEALTHCARE SOLUTIONS

BC200

Fully Auto Biochemistry Analyzer

- **Constant 200 test / hour with double reagent**

- 40 reagent positions

- Automatic liquid level sensing, anti-collision protection.

- Integrated full closed optical system, multi wavelength simultaneous detection

- New amorphous optical plastics reaction cups, perfect transmittance.

- Maintenance free semiconductor solid state refrigeration

- Friendly surface ans easy operation

Multi-functional precision sampling probe

- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals.
- Collision protection, automatic probe depth adjusting

Excellent mixer design

- Teflon coating mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure

High precision ceramic syringe

- Permanent ceramic piston
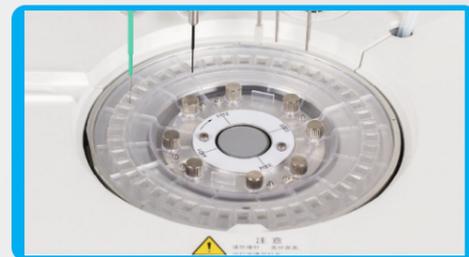- Accurate dispensing as low as 0.1 µl

Reagent & sample tray

- 40 reagent positions (40 for R1 & R2)
- 40 sample positions, micro cup & test tube can be used
- Non-stop cooling system with peltier pad inside, 24 hours 2 °C-14 °C
- inbuilt bar code reader

Reaction tray

- 44 reaction cuvettes
- Reaction volume as low as 150 µl
- Stable & accurate temperature(37±0.1 °C) for reaction

Reaction tray

- User friendly software interface simple, easy-to-operation
- Sample automatic dilution(decrease, increase, normal)
- Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- Linear & nonlinear calibration, multi-points calibration up to 8 points
- Quality control apply to westgard, L-T plot, cumulative