

AUTO B 200

Practical Solution for Automation

Technical specification

General information :
Machine type : Random access
Test speed : Constant 200 test/hour (Mono reagent or double reagent)
Test principle : Colorimetric method, turbidimetry
Test methods : 1 point end, 2 point end, Fixed-Time, Kinetics
Calibrator type : Linear & nonlinear

Sample unit

Sample tray : 40 sample position
Sample : Micro cup, sample cup, primary 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

Reagent unit

Reagent tray : 40 reagent positions
(40 for R1 & R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C.
Reagent volume : 10-300 μ l, step by 1 μ l

Reaction unit

Reaction tray : 44 reaction cuvettes, new pyrex cuvettes, perfect transmittance
Reaction volume : 150 μ l-330 μ l
Temperature : Heating coil incubation system, reaction temperature (37 \pm 0.1°C)

Mixing system

Mixer : Paddle-type mixing, effective and reducing carryover

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

Operating system

Operation system : Windows 7, Windows 8, Windows 10
Report printing : 6 formats option, support custom formats
Interface : pattern, TCP/IP network interface

Working conditions

Water consumption : 8L/hour (maximum)
Dimension : 780mm * 565mm * 1120mm (L*W*H)
Weight : 80kg

Power Supply

220V \pm 10%, 50/60 Hz, 2000VA,
Earthing voltage < 5V online ups (230V)
with isolated transformer 2KVA



AUTO B 200

Practical Solution for Automation

- Fully Automated Random Access Biochemistry Analyzer
- Throughput : 200 test/hour with double reagent
- On board refrigeration and laundry system
- Easy availability of system packs



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40 Sample Position & 40 Reagent Position

On board refrigeration

Barcoded reagent system



High efficiency pyrex cuvettes

Individually replaceable cuvettes

Air incubation temperature control (37±0.1°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 and calibration not required

Intensity measured Halogen lamp



Durable visible ceramic piston

Accurate dispensing with 0.1 µl step

Minimum maintenance



Windows XP, Windows 7, Windows 8, Windows 10

Rejected Cuvette Memory

Quality control L-J curve, waste guard and cum. mean



Practical **Solution** for Automation



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

BLACK BOX OPTICAL SYSTEM : Dust/Moisture Proof covered optical system increase efficiency, *save time & cost*

LAMP WINDOW : Easy to change long life lamp minimize downtime, *save time & cost*

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

INSTRUMENT REAGENT SYNERGY : Barcoded System, Auto programming /positing of reagent. *save time & cost*

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			

And many more.....