

# Biochemistry Analyzer

## LBCA-A10



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Biochemistry analyzer LBCA-A10 is a fully automated floor standing unit with a direct reading system and random operational access. Features automated washing station for both sample and reagent probe. Provision for liquid level detection a collision protection for both sample and reagent probe. Built-in cooling system for reagent chamber.

### Features

- Automated washing station for sample and reagent probe
- Liquid level detection a collision protection for both sample and reagent probe
- Cooling system for reagent chamber
- Independent mixer ensuring full reaction of sample/ reagent solution
- Powerful reactive cuvette washing system
- Eight channel automated washing system
- Easily replaceable reagent tray
- User friendly interface compatible with windows
- Alarm functions to prevent mistakes or problems
- Compatible with latest WINDOWS 7 / WINDOWS and WINDOWS 10
- ISE module and barcode scanner (optional)
- Card test control system (on request)
- Quartz glass cuvettes (on request)
- Printer - multiple report format available

### Applications

Used to determine concentration of blood sugar, cholesterol, electrolytes and calcium of blood, serum, and plasma or urine sample; to provide certain hematology values like haemoglobin concentration, prothrombin times for diagnosis and treatment of diabetes, thyroid problems, and hepatitis and kidney conditions

## Specifications

Model no.		LBCA-A10
Sample volume		1 ~ 100 µl, 0.1 µl / step
Reagent position		2 x 40
Reagent volume		R1: 1 ~ 400 µl, 1 µl / step
		R2: 1 ~ 400 µl, 1 µl / step
Throughput	1 reagent	400 test/h
	2 reagent	400 test/h
	With ISE	400 test/h + 120 test/h
Sample position		88
		Including standard, control and stat; either serum cup or primary tube available
Assay items		80 assay items
		ISE mould ( Na , K , Cl / Li ) available on request
Operation		Random access
Reading system		Direct reading system
Method		End point, Kinetic, Fixed time, Immunoturbidimetric, 1-2 reagent, Multistandard, Reagent / serum blank etc.
Reagent / Sample probe		With liquid level sensor, collision sensor, Teflon coating and automatic washing station
Reaction time		0 ~ 999 secs
Cuvette		High quality UV transmitted plastic cuvette

## Specifications

Washing	8 channel automatic washing system for reaction cuvettes
	Independent washing station for each sample / reagent probe and mixer
Water consumption	< 10 L/hr
Calibration	Linear, Non-linear, Multi-standard, K factor
Sample dilution / retest	Sample can be diluted and retested if results are out of range or sample is insufficient
Wavelength	340 nm ~ 810 nm
Light source	Halogen lamp
Absorbance resolution	0.0001 A
Absorbance accuracy	± 0.0003 A ( 0 ~ 2.5 A )
Repeatability ( CV % )	≤ 2 %
Quality control	Three level programme
Bar code reader	Optional
Printer	Multiple report format
Power supply	220 V; 50 Hz
	110 V; 60 Hz
Dimensions	1000 x 850 x 700 mm
Weight	137 kgs