



## ***SEMI-AUTOMATIC BIO-CHEMISTRY ANALYZER LSBA-A20***

# Semi-automatic Bio-chemistry Analyzer LSBA-A20

Semi-automatic Bio-chemistry Analyzer LSBA-A20 also known as chemistry analyzer, semi-automated and high performance analyzer comprises 8 assay modes offers photometric range from 0 to +3.0 OD with 3 level temperature range along with temperature accuracy of  $\pm 0.1^{\circ}\text{C}$ . Incorporated with excellent QC function with large memory. Equipped with different wavelengths such as 340nm, 405nm, 492nm, 510nm, 546nm, 578nm, 620nm with accuracy of  $\pm 2\text{nm}$ . Built-in thermal printer with Real time graph display.

## FEATURES

- Two test mode: flow-cell or cuvette
- Supports bi-chromatic tests for end point, fixed-time, kinetics methods
- External keyboard or mouse support via USB
- User-friendly interface and multi-language operation software
- 7 inch back illuminated color touch panel; LCD display with in-built thermal printer
- 20 incubating positions
- Equipped with both Monochromatic & Bi-chromatic measurement with 6 filters and 2 free positions.
- Halogen lamp as light source with long life span
- Easy to use with low maintenance

## APPLICATIONS

Semi-automatic Bio-chemistry Analyzer is used across molecular biology, biotechnology, immunology, microbiology, routine biochemistry, hormonal assay, electrolytes, therapeutic drugs and drug-enzyme investigations.

## SPECIFICATION

<b><u>Model</u></b>	<b><u>LSBA-A20</u></b>
Measuring System	Measuring Range: 0 to 3.0 OD
	Method: Absorbance, End Point, Fixed Time, Rate, Sample Blank, Multi Standard, Two point Non Linear, and Sample Blank Non Linear
	Photometric linearity: $\pm 2\%$ (0 to 3.000 OD)
	Photometric accuracy: $\pm 1\%$ (0 to 3.000 OD)
	Carry over: $\leq 1\%$
Photometric System	Light source: 6 V, 10 W halogen lamp; standby function
	Filters: 340 nm, 405 nm, 492 nm, 510 nm, 546 nm, 578 nm, 620 nm and 2 more open filter positions (on request)
	Wavelength Accuracy: $\pm 2$ nm
Thermostatic Control	Temperature: 25°C, 30°C, 37°C
	Precision: $\pm 0.1^\circ\text{C}$
Drift	$< 0.005$ OD/hr
Reading Cuvette	Cell and Direct reading cuvette
Measuring Volume	200 $\mu\text{l}$ to 800 $\mu\text{l}$
Incubating positions	20 incubation positions
Test Menu offered	T.BILI, r-GT/GGT, Ca, APOB-1/B, CHE, D.BILI, ALP/AKP, TG, CL, APOB, CREA, TP, UREA, CK, P, CK-MB, Mg, ALB, LDH, C, ASO, AFU, Lactic Acid, ALT/GPT, UA, $\alpha$ -HBDH, CO <sub>2</sub> , FMN, LP(a), AST/GOT, GLU, AMY, LDL-C, HDL-C, LA, TBA, ADA, HS-CRP, PA, Fe, Cu, Zn, C <sub>3</sub> , C <sub>4</sub> , IgG, IgM, IgA and drug, toxicity etc.
Quality Control	QC function with displaying and printing
Display	Back illuminated color touch panel; LCD display
Storage	Over 200 programs, 1000 test results
Printer	Built-in thermal printer
Interface	RS-232, USB
Power Supply	AC 110 V/ 60 Hz or 220 V/50 Hz
Dimension (W×D×H)	340×380×180 mm
Weight	8 kg