



# **AUTO CHEMISTRY ANALYZER**

## **LACA-A30**

Auto Chemistry Analyzer LACA-A30 is a benchtop, fully automated chemistry analyzer with a throughput of 1200 tests per hour. It is designed to suit the needs of a diverse variety of clients, with a versatile analyzer that allows for the quick addition of new techniques. It is possible to program and save an almost infinite number of protocols, which are organized on a user-defined panel. The user-friendly interface ensures that the basis for analytical brilliance lasts a long time. This system consists of reagents, controllers, and calibrators, and its execution is random access with the option of batch mode.

## Features

- ❑ Programmable automatic stand-by and wake-up functionalities
- ❑ Intelligent software
- ❑ High quality components
- ❑ Uninterrupted workflow
- ❑ Inventory management
- ❑ Cost effective operation
- ❑ Crash and collision detection
- ❑ Robust testing capabilities
- ❑ Efficient reagent and consumable use
- ❑ Simplify operations with user friendly graphical user interface design and touch-screen monitor
- ❑ Built-in barcode scanner
- ❑ Refrigerated tray with independent switch

## Application

This device is used in many Biology and Histopathology Laboratories to extract the serum, plasma, urine or any other body fluid, Research institutes etc.

## Technical Specifications

Model	LACA-A30
Throughput	800 tests/hour, 1200 tests/hour with ISE
Sample Positions	150 sample positions
Reagent Positions	180 refrigerated reagent positions

Wavelength	340 to 800 nm
Absorbance	-0.3~3.3 Abs
Humidity	30 to 80%
Washing	Automatic cuvettes washing
Analysis Method	End-point, Fixed-time, Rate(Kinetic),
Probe Washing	Automatic washing interior and exterior
Probe	Teflon coating with anti-collision and Liquid level detection function
Reagent Cooling	Refrigerated tray with independent switch
Cuvettes	160 reusable cuvettes, optical length 6mm
Mixed Probe	Independent stirring
STAT Function	YES
Light Source	12V/20W halogen lamp/fiber brag
Spectrophotometry	Post-spectral spectrophotometry
Calibration	Linear: K factor, 1-point, 2-point and multipoint linear Non-Linear: Spline, Polygon, Index, Logarithm, Logit-4P, Logit-5
Quality Control	Real-time QC, Westward multi rule, Cumulative sum check, Twin Plot(2D)
Software	Windows 7/8/10, 32 or 64bit
LIS System	Bi-direction, support HL7 protocol
Interface	LAN port access
Printer	External, multiple reporting mode available
Temperature	10 to 30°C
Temperature Control	37±0.1°C, real-time monitor
Water Consumption	Deionized water: 20L/H
Power Supply	AC220V±10%, 60/50Hz,, 110V±10%, 60Hz, 1500 W
External Dimension (W×D×H)	1360×791×1157 mm
Package Dimension (W×D×H)	1348×928×1399 mm
Net Weight	286 kg
Gross Weight	390 kg