



**Chemiluminescent  
Immunoassay Analyzer  
LD-LCIA-A10**

Chemiluminescent Immunoassay Analyzer LD-LCIA-A10 is a closed system comprised automated unit, offers 60 samples position and 30 reagent positions with 50 incubation positions. Adopted with magnetic particle separation technology and magnetic particle enzymatic chemiluminescence principle, features Random, Batch and STAT operation modes and 80 T/H throughput with 15 to 100  $\mu$ l sample volume and 6 to 7 points calibration system. Equipped with washing and mixing module and sample probe, offers 18 min time to 1st result with  $CV \leq 5\%$  of detection precision. Designed with WIN 7/8/10 software system with bi-direction and HL7 protocol support, has different advanced functions and intelligent alarm prompt along with TCP/IP network interface.

## Features:

- ✦ A closed system comprised automated Chemiluminescent Immunoassay Analyzer
- ✦ 60 samples position and 30 reagent positions with 50 incubation positions
- ✦ Magnetic particle separation technology and magnetic particle enzymatic chemiluminescence principle
- ✦ Random, Batch and STAT operation modes with 80 T/H throughput rate
- ✦ 15 to 100  $\mu$ l sample volume and 6/7 points calibration system with 28 days stability
- ✦ Washing and mixing module with three-level cleaning mode, ensures efficient cleaning
- ✦ Sample probe with intelligent anti-collision system and liquid level detection system
- ✦ 18 min time to 1st result with  $CV \leq 5\%$  of detection precision, ensures good consistency
- ✦ WIN 7/8/10 software system with bi-direction and HL7 protocol support
- ✦ Different advanced functions, allows high-sensitive and faster reaction speed
- ✦ Intelligent alarm prompt, to ensure high-efficient, stable and reliable results
- ✦ TCP/IP Network interface, provides end-to-end communications and easy modification

## Applications:

Chemiluminescent Immunoassay Analyzer is used for selective, sensitive, rapid and simple analysis and to detect a large number of complicated or low-abundance samples across environmental monitoring, clinical diagnosis, food safety and pharmaceutical analysis etc.

## Specifications:

| Model No.                   | LD-LCIA-A10  |
|-----------------------------|--|
| Principle                   | Magnetic particle enzymatic chemiluminescence  |
| Separation Method           | Magnetic particle separation technology  |
| Operation Modes             | Random, Batch and STAT   |
| Throughput                  | 80 T/H   |
| Sample Volume               | 15 to 100 $\mu$ l  |
| Sample Position             | 60 (Each position could be used as an emergency position)  |
| Reagent Position            | 30 (2 to 8°C Refrigeration)  |
| Incubation Position         | 50   |
| Detection Precision         | CV $\leq$ 5%   |
| Carry-over Rate             | $\leq$ 10 to 5   |
| Correlation Coefficient     | r $\geq$ 0.99  |
| 1 <sup>st</sup> Result Time | 18 mins  |
| Calibration Type            | 6/7 points calibration   |
| Calibration Stability       | 28 days  |
| Software                    | Bi-direction, HL7 protocol support   |
| Software Compatibility      | WIN 7/8/10, 32 or 64 bits  |
| Functions                   | Liquid level detection; Anti-collision function; Sample barcode scanning; Reagent radio frequency identification |
| Alarm System                | Intelligent alarm prompt   |
| Interface                   | TC/IP network interface  |
| Power Supply                | AC 110/220 V, 50/60 Hz   |
| Dimension (W×D×H)           | 1120×735×513 mm  |
| Packaging Dimension (W×D×H) | 1303×873×854 mm  |
| Net Weight                  | 130 kg   |
| Gross Weight                | 180 kg   |