



Chemiluminescent Immunoassay Analyzer LCIA-A10

Chemiluminescent Immunoassay Analyzer 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 µl 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 ≤ 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 µl 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 ≤ 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

Application

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	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 μ 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 st 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