



Automatic Chemiluminescence Immunoassay System

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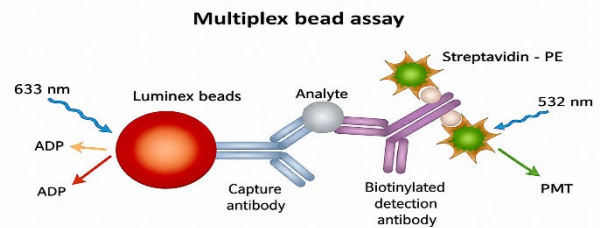
Automatic Chemiluminescence Immunoassay System

DS-I10100

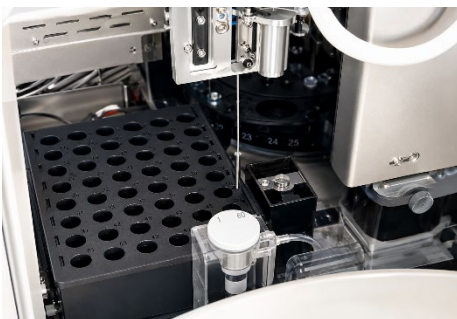


Product Overview

The chemiluminescence immunoassay system uses magnetic particle separation technology, which uses magnetic particles as antibody carriers that can be evenly distributed in the liquid phase reaction system, with faster reaction speed and higher efficiency. Using enzymatic chemiluminescence method, the light signal is more stable. A new generation of enzymatic substrates provides higher sensitivity and faster luminescence.



Technical Advantage

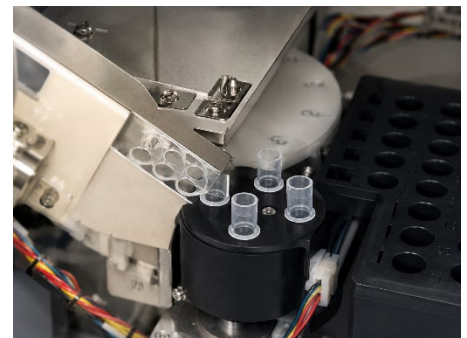


Sample Probe

1. Sample integrity control: clot and bubble detection (optional), level detection
2. Needle tip anti-hanging design to reduce liquid hanging
3. Quantity tracking and intelligent collision avoidance
4. Negative-pressure washing for more thorough cleaning

RV Loading Module

- Reaction vessels can be added by pouring, without manual arrangement.





Washing & Mixing Module

- 1. Fully enclosed independent incubation system with 58 incubation positions
- 2. Incubation, cleaning and testing one-machine design
- 3. 12 independent cleaning positions
- 4. Triple magnetic separation cleaning technology
- 5. Original photon-counting dark chamber

Technical Parameters

Parameter	Specification
Model	DS-I10100
Throughput	180 T/H
Principle	Magnetic particle enzymatic chemiluminescence
Modes of Operation	Random, Batch and STAT
Separation Method	Magnetic separation technology
Sample Positions	60 (each position can be used as an emergency position)
Reagent Positions	25 pcs (2-8°C refrigeration)
Incubation Positions	58
Time to 1st Result	18 minutes
Sample Volume	10-200 µL
Detection Precision	CV ≤3%
Carry-over Rate	≤10 ⁻⁵
Correlation Coefficient	r ≥0.99
Calibration Stability	28 days
Calibration Type	6/7-point calibration
Software System	Windows 7/8/10, 32 or 64 bits; Bi-directional, support HL7 protocol; Intuitive User Interface, Intelligent Data Management
Interface	TCP/IP Network interface
Other Functions	Liquid level detection; Anti-collision function; Sample barcode scanning; Intelligent alarm prompt
Power Supply	AC220V 50/60Hz (Standard); AC110V 60Hz (Optional)
External Size (W×D×H)	768 × 771 × 568 mm
Net Weight	90 kg
Package Size (W×D×H)	940 × 840 × 1105 mm
Gross Weight	150 kg