BioLAB

PRODUCT CATALOG



CHEMILUMINESCENCE IMMUNOASSAY ANALYZER BEM-41001

CE ISO9001 CERTIFIED

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CHEMILUMINESCENCE IMMUNOASSAY ANALYZER BEM-41001

AUTOMATIC CHEMILUMINESCENCE IMMUNOASSAY SYSTEM

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



1. Innovative Design, Accelerated Detection
Detection speed of 600T/h, first results within 18 minutes. Solid-state direct heating incubation ensures more stable and precise temperature control. Dual-channel design for more efficient sample loading.
2. Intelligent and Convenient for a Better Experience
User-friendly design with a rocker arm display and one-button power on/off. Bulk loading of reaction cups, one-button loading of consumables, dual-bottle substrate backup, and convenient and quick operation. RFID function makes reagent loading even more convenient.
3. Highly Integrated and Stable Performance
Highly integrated design with a small footprint. CV value ≤3%, high precision. Intelligent needle cleaning technology combined with scheduling control technolog

SPECIFICATIONS

Model	BEM-41001
Throughput	600T/H
Principle	Magnetic particle enzymatic chemiluminescence
Modes of Operation	Random, batch and STAT
Separation Method	Magnetic separation technology
Sample Positions	350pcs(Each position could be used as an emergency position)
Reagent Positions	50pcs(2-8°C refrigeration)
Incubation Positions	238pcs
Time to 1st Result	18min
Sample Volume	10~200μl
Detection Precision	CV≤3%
Carry-over Rate	≤10^{5}
Correlation Coefficient	r≥0.99
Calibration Type	6/7-point calibration
Software System	Comes with a screen, windows system; Bi-direction, support HL7 protocol; Intuitive user interface; Intelligent data management
Interface	TCP/IP Network interface
Other Function	Sample barcode scanning, reagent RFID, vertical anti-collision needle, liquid level detection, intelligent alarm, automatic dilution function, automatic retesting, and clot detection.
Power Supply	AC110/220V, 50/60Hz, 1550VA
External Size (W*D*H)	972*1225*1495mm; 1505*1225*1245mm
Net Weight	160kg; 500kg
Package Size (W*D*H)	1410*1350*1170mm; 1685*1410*1460mm
Gross Weight	235kg; 600kg
Alt Name	Automatic Chemiluminescence Immunoassay System

FEATURES

1. Innovative Design, Accelerated Detection
Detection speed of 600T/h, first results within 18 minutes. Solid-state direct heating incubation ensures more stable and precise temperature control. Dual-channel design for more efficient sample loading.

2. Intelligent and Convenient for a Better Experience
User-friendly design with a rocker arm display and one-button power on/off. Bulk loading of reaction cups, one-button loading of consumables, dual-bottle substrate backup, and convenient and quick operation. RFID function makes reagent loading even more convenient.

3. Highly Integrated and Stable Performance
Highly integrated design with a small footprint. CV value ≤3%, high precision. Intelligent needle cleaning technology combined with scheduling control technology ensures cleaner cleaning.

4. Compatible with Interconnectivity
Supports 1-4 units for online expansion to meet various testing needs. Equipped with rich interfaces, it supports network functionality and allows for remote upgrades after networking.

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