Automatic Chemiluminescence Immunoassay System BKI2200



Introduction:

The chemiluminescence immunoassay system uses magnetic particle separation technology, which uses magnetic particles as antibody carriers, which 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, with higher sensitivity and faster luminescence.



01 Operation Module
Fast speed
High precision

02 Control module
Ergonomic design
Simplified patented design

03 Reagent Module
Perfect project list
Extensive reagent menu

Optional base cabinet

Advantage:

Operation Module
Tubular enzymatic chemiluminescence
The max speed of a single machine is 240T/h
Carrying contamination rate<10^{-5}
High precision: intra-batch precision ≤ 3%

Control Module
Ergonomic design increased operator comfort
0.68 square meters, highly integrated and simplified patented design
Convenient operation: support LIS two-way communication, scan the code to test
Smooth human-computer interaction experience: the touch screen and the frame are integrated into the machine, and all consumables can be loaded online in real time

System Layout:



Sample Probe
Sample integrity control: level, clot and bubble detection
Needle tip cone-angle design to reduce liquid hanging
Quantity tracking, intelligent collision avoidance
Negative pressure needle washing, cleaning more thoroughly



RV Loading Module
Reaction vessels can added by pouring, without manual arrangement

Washing and mixing module
Incubation, cleaning and testing one-machine design
Fully enclosed independent incubation system with 90 incubation positions
30 independent cleaning positions
Triple magnetic separation cleaning technology is adopted



Sample Tray
International universal test tube rack, 10 tubes/rack, 6 test tube racks can be placed
Support emergency insertion
Support blood collection tube, sample vessel loading





Reagent Tray
Forced air cooling,maintenance-free
Up to 25 items can be tested at the same time,can be replaced at any time
Remaining liquid detection, real-time alarm
Support scanning bar code loading



Operating System
Humanized design software function
Clear warning of consumables status, adding in advance is more worry-free
The detection process is updated in real time, easy to grasp the reporting time
Fault warning, remote assistance, and active maintenance are more intimate

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Instrument Software Module:

Humanized software functions
Reagent loading and sample operation are convenient and intuitive
Intuitive display of sample status in testing
Support checking experiment results by sample or project

Reagents and consumables status warning
Accurately record the use of reagents for each project
Accurately record the remaining amount of consumables
Timely alarm when the remaining consumables is insufficient

Simple and intuitive quality control process
Convenient addition of quality control experiments
Intuitive display of quality control results
Support various forms of T-P chart and L-J chart

Convenient and flexible maintenance functions
The maintenance program is comprehensive
Individual maintenance work can be flexibly chosen
Daily, monthly and yearly maintenance work is clearly distinguished

Technical Parameter:

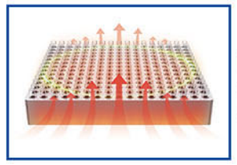
Model	BKI2200
Throughput	240T/H
Principle	Magnetic particle enzymatic chemiluminescence
Modes of Operation	Random, Batch and STAT
Separation Method	Magnetic separation technology
Sample Positions	60 (Each position could be used as an emergency position)
Reagent Positions	25 pcs (2-8℃ refrigeration)
Incubation Positions	90
Time to 1st Result	12min
Sample Volume	10-200μl
Detection Precision	CV≤3%
Carry-over Rate	$\leq 10^{-5}$
Correlation Coefficient	r≥0.99
Calibration Stability	28 Days
Calibration Type	6/7-point calibration
Software System	Comes with a screen, Linux system
	Bi-direction, support HL7 protocol
	Intuitive User Interface, Intelligent Data Management
Interface	TCP/IP Network interface
Other Function	Liquid level detection
	Anti-collision function
	Sample barcode scanning
	Intelligent alarm prompt
Power Supply	AC220V,50/60Hz(Standard); AC110,60Hz(Optional, external transformer)
External Size (W*D*H)	1000*685*750
Net Weight	132kg
Package Size (W*D*H)	1338*838*954mm
Gross Weight	201kg

Automatic Chemiluminescence Immunoassay System BKI5800



Introduction:

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.



Incubation Position
A total of 238 incubation positions, 37±0.1℃, dry bath heating



Reagent Tray
Double reagent disks, 50 reagent positions, 2-8℃ cold storage



Sample Loading Module-Sample Scanning
350 sample positions, 450 samples delivered per hour



Dual-substrate Design