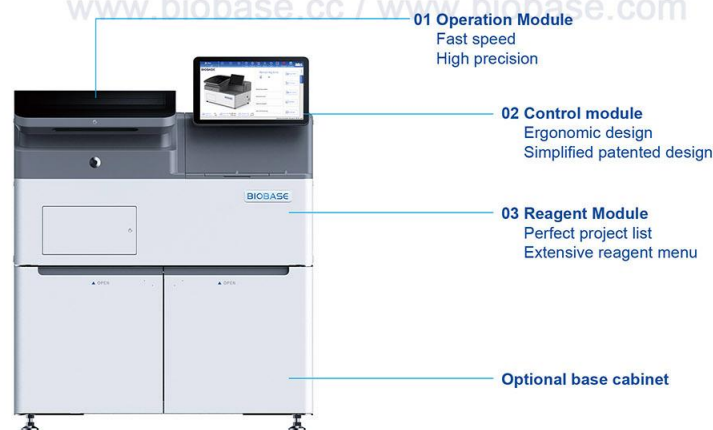


Automatic Chemiluminescence Immunoassay System BKI2200



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.



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 $\leq 8\%$
-  **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 be 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

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	BK12200
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°C refrigeration)
Incubation Positions	90
Time to 1st Result	12min
Sample Volume	10-200μl
Detection Precision	CV≤8%
Carry-over Rate	≤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	AC 100-240V, 50/60Hz
External Size (W*D*H)	1000*685*750
Net Weight	132kg
Package Size (W*D*H)	1338*838*954mm
Gross Weight	201kg

Reagent Product Menu:

* means upcoming item

Thyroid	TSH	Renal Function	β2-MG
	TT4	Immunoglobulins	Ig E
	TT3	Rheumatoid	Anti-CCP
	FT4	Liver fibrosis	CIV
	FT3		HA
	TgAb		P III NP
	TPOAb		LN
	TG	Anemia	FA
	Anti-TSHR		VB12
	CT		FERRITIN
Fertility	β-HCG	Growth	GH
	E2		IGF-I*
	P	Glycometabolism	INS
	T		C-P
	PRL	Pepsinogen	PG I
	FSH		PG II
	LH	Inflammation	PCT
	DHEA-S		IL-6
	SHBG	Early screening	FE3
	AMH		Free β-HCG
Hypertension	ALD	Bone Metabolism	PAPP-A
	ACTH		BGP
	Cortisol		25-OH-Vit-D
	Renin		iPTH
	A II *	Infectious	PINP*
	CA125		HBeAb*
	CA15-3		HBeAg*
	CA19-9		HBcAb*
	AFP		HBsAb*
	CEA		HBsAg*
Tumor marker	t-PSA	Cardiac marker	Anti-HBc IgM*
	f-PSA		HIV Ag/Ab*
	CA72-4		Anti-TP*
	SCC		Anti-HCV*
	CA242		
	CA50		
	NSE		
	CYFRA21-1		
	HE4		
	ProGRP		
Cardiac marker	cTnI		
	NT-proBNP		
	CK-MB		
	MYO		