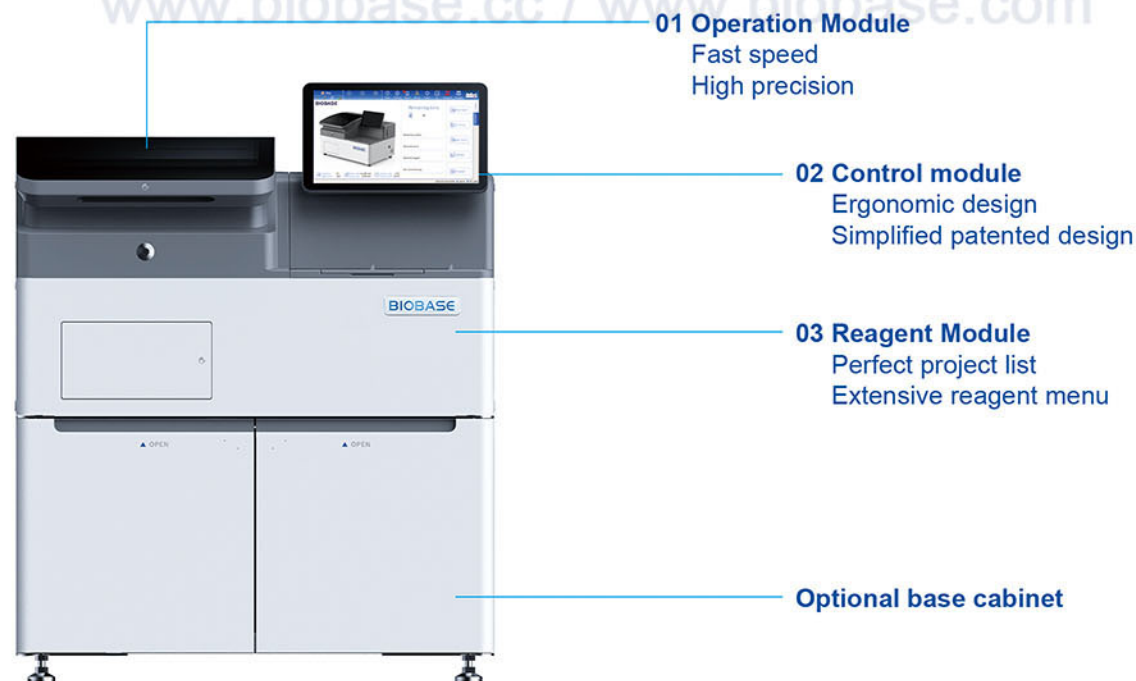


Automatic Chemiluminescence Immunoassay System BKI2200



Introduction:

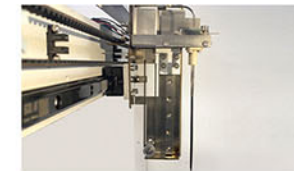
The chemiluminescence immunoassay system uses magnetic particle separation technology, which uses magnetic particles as antibody carriers, which can be evenly distributed in the liquid phase reaction system, with faster reaction speed and higher efficiency. Using enzymatic chemiluminescence method, the 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 <math><10^{-5}</math>
High precision: intra-batch precision $\leq 3\%$
- 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 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≤3%
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		Rheumatoid	Anti-CCP
	TT3		Liver fibrosis	CIV
	FT4			HA
	FT3			P III NP
	TgAb			LN
	TPOAb		Anemia	FA
	TG			VB12
	Anti-TSHR			FERRITIN
Fertility	β-HCG	Growth	GH	
	E2		IGF-I*	
	P	Glycometabolism	INS	
	T		C-P	
	PRL	Pepsinogen	PG I	
	FSH		PG II	
	LH		PCT	
	Hypertension	DHEA-S	Inflammation	IL-6
		SHBG		FE3
		AMH	Early screening	Free β-HCG
ALD		PAPP-A		
ACTH		Tumor marker	BGP	
Cortisol			25-OH-Vit-D	
Renin			iPTH	
A II*			PINP*	
CA125			CT	
CA15-3			Infectious	HBeAb*
CA19-9	HBeAg*			
AFP	HbCAb*			
CEA	HBsAb*			
t-PSA	HBsAg*			
f-PSA	Anti-HBc IgM*			
CA72-4	HIV Ag/Ab*			
SCC	Anti-TP*			
CA242	Anti-HCV*			
CA50				
NSE				
CYFRA21-1				
HE4				
ProGRP				
Cardiac marker	cTnl			
	NT-proBNP			
	CK-MB			
	MYO			