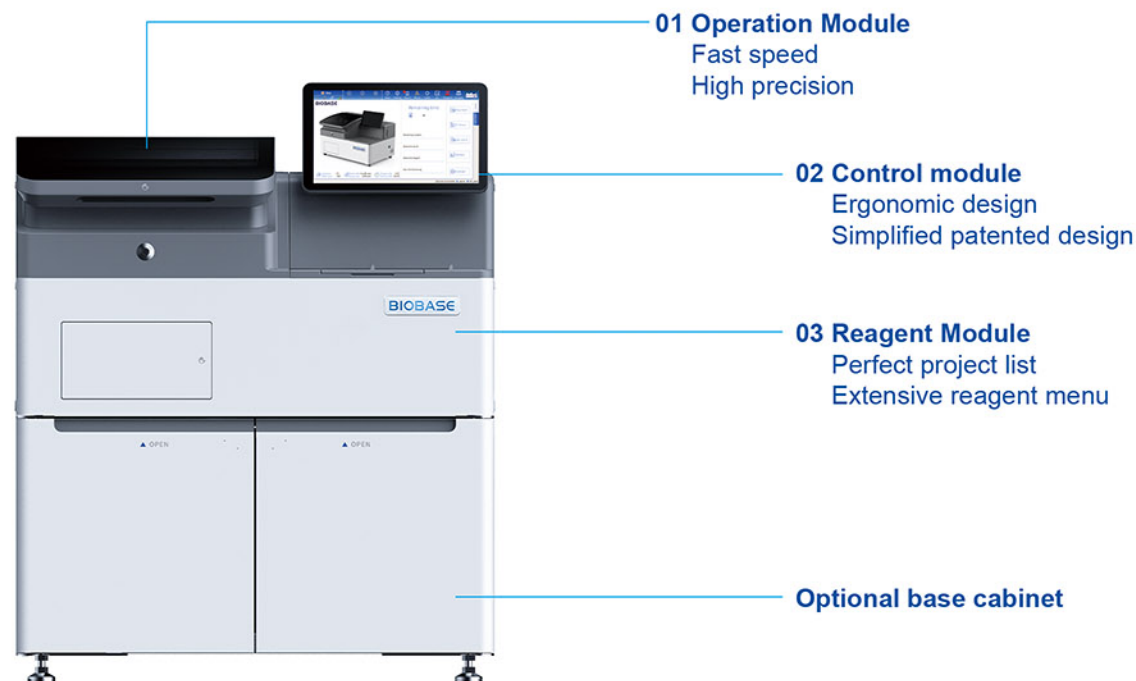


Automatic Chemiluminescence Immunoassay System BKI2200



Introduction:

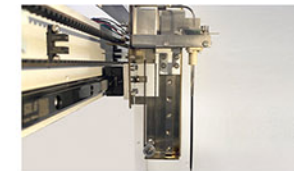
The chemiluminescence immunoassay system uses magnetic particle separation technology, which uses magnetic particles as antibody carriers, which can be evenly distributed in the liquid phase reaction system, with faster reaction speed and higher efficiency. Using enzymatic chemiluminescence method, the 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 < 10ppm
High precision: intra-batch precision ≤ 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:

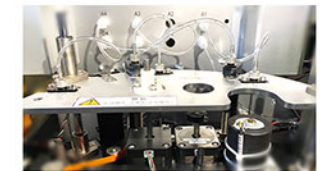


Sample Probe
Sample integrity control: level, clot and bubble detection
Needle tip cone-angle design to reduce liquid hanging
Quantity tracking, intelligent collision avoidance
Negative pressure needle washing, cleaning more thoroughly

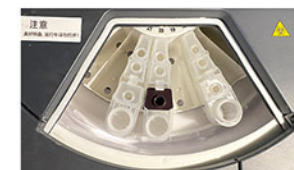


RV Loading Module
Reaction vessels can be added by pouring, without manual arrangement

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	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°C refrigeration)
Incubation Positions	90
Time to 1st Result	18 Minutes
Sample Volume	10-200ul
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	Windows 7/8/10, 32 or 64 bit
	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, 50Hz
External Size (W*D*H)	1000*685*750
Net Weight	129
Package Size (W*D*H)	1310*810*960mm
Gross Weight	186

Reagent Product Menu:

* means upcoming item

Thyroid	TSH
	TT4
	TT3
	FT4
	FT3
	TgAb
	TPOAb
	TG
	Anti-TSHR
	CT
Fertility	β-HCG
	E2
	P
	T
	PRL
	FSH
	LH
	DHEA-S
	SHBG
	AMH*
Hypertension	ALD
	ACTH
	Cortisol
	Renin
	A II *
Tumor marker	CA125
	CA15-3
	CA19-9
	AFP
	CEA
	t-PSA
	f-PSA
	CA72-4
	SCC
	CA242
	CA50
	NSE
	CYFRA21-1
	HE4
ProGRP	
Cardiac marker	cTnl
	NT-proBNP
	CK-MB
	MYO

Rheumatoid	Anti-ccp
	B2-MG
Liver fibrosis	CIV
	HA
	P III NP
	LN
Anemia	FA
	VB12
Growth	FERRITIN
	GH
Glycometabolism	IGF- I *
	INS
Pepsinogen	C-P
	PG I
Inflammation	PG II
	PCT
Early screening	IL-6
	FE3
Bone Metabolism	Free β-HCG
	PAPP-A
	BGP
Infectious	25-OH-Vit-D
	iPTH
	PINP*
	HBeAb*
	HBeAg*
Cardiac marker	HbCAb*
	HBsAb*
	HBsAg*
	Anti-HBc IgM*
	HIV Ag/Ab*
	Anti-TP*
	Anti-HCV*