

AIH - 3110/3220

Automatic Chemiluminescence Immunoassay System



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

▶▶ 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. Compared with the international brands, the chemiluminescence immunoassay reagents have good consistency, the coincidence rate can reach more than 95%, and the detection precision can reach CV<2%

▶▶ 1. Sample Tray

- Disc design, up to 60 samples loading capacity per batch
- The position of sample, standard product and quality control positions can be edited
- Support emergency function.

▶▶ 2. Reagent Tray

- Patented semiconductor refrigeration technology
- Up to 30 reagent positions on board with refrigeration at 2-8°C.
- Up to 30 items can be tested at the same time.





▶▶ Washing and Mixing Module

- Three-level cleaning mode, higher cleaning efficiency
- Non-contact mixing to avoid cross-contamination



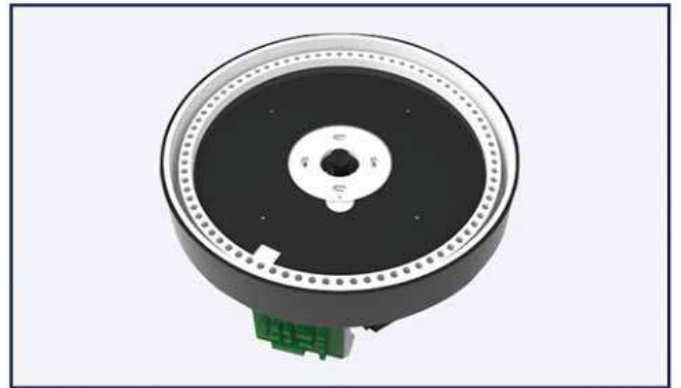
▶▶ Sample Probe

- Excellent rinsing system make carry-over $\leq 10^{-5}$
- Lquio-revet and blood clot detection system.
- Intelhgent ann-cotlision function.
- Sampling volume· 15ul - 100ul



▶▶ RV Loading Module

- Independent reaction vessel.
- Up to 1200 pcs per batch with continues loading
- Automatically supply reaction vessel.
- Intelligently detect the amount of RV.



▶▶ Incubation Plate

- 80 incubation positions.
- Constant 37°C incubation



►► Instrument Software

- Flexible sample test mode: STAT function, automatic dilution, reset function, continuous loading.
- Reagent management: the remaining amount, calibration validity, expiry date management.
- Consumables management continuous monitoring and low-level warning.
- Result management: store search, print and statistics, automatic unit conversion function.
- LIS/HIS connection.
- Auto daily maintenance

►► Parameters

Thyroid	TSH; IT4; TI3; FT4; FT3; TgAb; TPOAb; TG; Anti-TSHR; CT; SHBG
Anemia	FERRITIN; VB12; FA
Liver Fibrosis	CIV; LN; HA; PIIINP
Hypertension	ALO; ACTH; Cortisol; Renin
Fertility	13-HCG; E2; P; T; PRL; FSH; LH; DHEA-S
Growth	GH
Bone Metabolism	BGP; 25-OH-Vit-D; iPTH
Tumor Marker	CA125; CA15-3; CA199; AFP; CEA; t-PSA; f-PSA
Pepsinogen	PGII
Kidney Function	2-MG
Rheumatism	Anti-CCP
Diabetes	C-P; INS
Pregnancy	FE3; PAPP-A; Free-!3-HCG
Cardiac Marker	cTnl; CK-MB; MYO; NT-proBNP
Inflammation	PCT; IL-6

**►► Parameters**

Model	3110	3220
Throughput	80T/H	12T/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	30 pcs (2-8°(refrigeration))	
Incubation Positions	50	80
Time to 1st Result	18 Minutes	
Sample Volume	15-100ul	
Detection Precision	cv≤s%	
Carry-over Rate	≤10-5	
Correlation Coefficient	r≥0.99	
Calibration Stability	28 Days	
Calibration Type	6/7-point calibration	
Software System	Windows 718110, 32 or 64bit Bi-direction, support HL7 protocol Intuitive User Interface, Intelligent Data Management	
Interface	TCPIIP Network interface	
Other Function	Liquid level detection Anti-collision function Sample barcode scanning Reagent radio frequency identification Intelligent alarm prompt	
Power Supply	AC1101220V, 50160Hz	
External Size (W*D*H)	1120*735*513mm	1305*770*1150mm
Net Weight	130Kg	220Kg
Package Size (WD*H)	1303*873*854mm	1608*898*1534mm
Gross Weight	180kg	294kg

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

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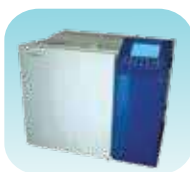
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Chromatograph
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