

Sys Aurora

AUtomatic | RObust | RAtified

Fully Automated Chemiluminescence (CLIA) Analyzer



- Fully automatic
- Robust hardware
- Unwavering quality and precision

Enhancing lab precision with advanced CLIA analyzer

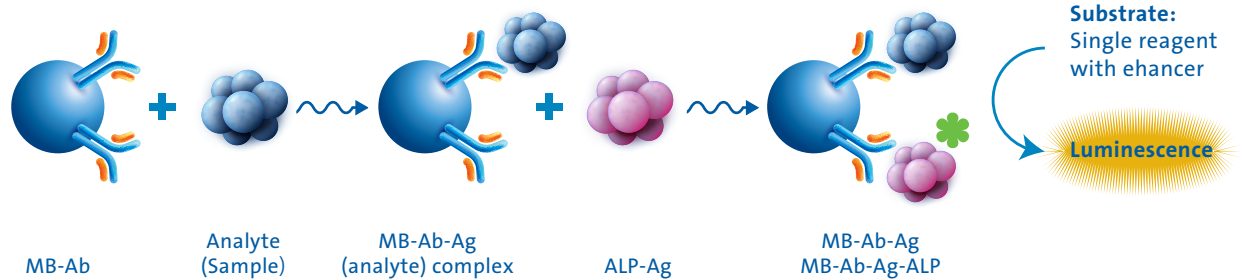
DiaSys

India

SYS Aurora represent a cutting-edge CLIA technology in the field of In-vitro diagnostic industry. It leverages the principle of chemiluminescence; a chemical reaction that emits light to detect and measure the concentration of analytes in a variety of biological samples. It offers several advantages over traditional assay methods, including enhanced sensitivity, specificity and efficiency.

Working Principle

Micron superparamagnetic particles platform with alkaline phosphatase (ALP) labelled reagents and substrate - AMPPD (3-(2'-Spiroadamantane)-4-methoxy-4-(3"-phosphoryloxy)phenyl-1,2-dioxetane disodium salt)



Features



One key start



Intelligent consumable management with live status



Wiper washing technology



15 Reagent positions



4-phase magnetic separation assembly with real-time mixing of magnetic particles



Single Cuvette Feature



Substrate continuous loading & bottom piercing



User maintenance free, easy to access Intuitive Software

Comprehensive Test Menu - Immunoassay

Thyroid	Infectious Markers	Tumor Markers	Fertility
FT3	HIV Combo *	CEA	Total β-HCG
FT4	HBsAg *	AFP	FSH
T3	Anti-HBs *	CA125	LH
T4	HBeAg *	CA15-3	Prolactin
TSH	Anti-HBe *	CA19-9	E2
Anti-TG	Anti-HBc *	FPSA	E3
Anti-TPO	Anti-HCV *	TPSA	Testo
Tg	Anti-TP (Syphilis) *	NSE	Prog
rT3	H Pylori IgG*	CYFRA 21-1	AMH
TRAB*	Anti-HBc IgM*	CA72-4	Free testo*
	HAV IgM*	HE4	SHBG*
	HEV IgG*	PG I*	PAPP-A*
	HEV IgM*	PG II*	
	Anti HAV*	SCCA*	Diabetes
		ProGRP*	Insulin
		CA50*	C-Peptide
		CA242*	IGFBP-3*
		AFP L3%*	Liver Fibrosis
		PIVKA-II*	LN*
		G-17*	HA*
		S100*	PIIINP*
		Total P1NP*	CIV*
			Hypertension*
		Cardiac Markers	Renin*
		CK-MB	Aldosterone*
		Myoglobin	
		Troponin I	Adrenal
		BNP	Cortisol
			ACTH
			DHEA-S
			17-OH Prog*
ToRCH			
Toxo IgG			
Toxo IgM			
Rubella IgG			
Rubella IgM			
CMV IgG	Bone Metabolism		
CMV IgM	Intact PTH		
HSV-1/2 IgG	Calcitonin		
HSV-1/2 IgM	Vitamin D total		
HSV-1 IgG	GH*		
HSV-2 IgG	HGFI*		
Toxo IgG Avidity*	N-MID Osteocalcin*		
CMV IgG Avidity*	Beta Crosslaps*		
Anemia	Inflammation		
Ferritin	PCT		
Vitamin B12	CD14-ST*		
Folate	IL-6*		

* Launching soon



Sys Aurora

Technical Specifications

Measurement Principle	Micron superparamagnetic particles platform with alkaline phosphatase (ALP) labeled reagents and AMPPD substrate
Throughput	Up to 180 tests/hour
Sample Capacity	50 Sample positions with Continuous loading and offloading
Sample/Reagent Probe	Steel probe, liquid level detection, clot detection feature, Horizontal and vertical collision protection
Sample Volume requirement	10~200ul, with increment of 1μl
Sample dilution	Automatic with 1:2~1:40
Reagent positions	Reagent Disk with 15 positions
Reagent Pack Size	2 x 50T and 2 x 100T
Magnetic Separation Assembly	4-phase magnetic separation with Real-time mixing for magnetic particles
Reagent Volume Requirement	20~200μl, with increment of 1μl
Reagent Scanning	Built-in/External bar code reader
Temperature Maintenance	Cooling System 2~8 °C, Constant Substrate heating
Temperature Accuracy	37±0.3 °C
Substrate Bottle	300/500 tests per bottle and bottom piercing feature
Substrate Loading	Capable of continuous loading during testing
Substrate Aspiration Volume	200ul
Signal Detector	Photomultiplier (PMT) photo counter; Calibration by LED reference module
Incubation positions	82
Mixing Unit	Non-touch vortex mixing
Cuvette Loading	Disposable plastic cuvette, 88 cuvettes per tray, 2 trays can be loaded in one batch with continuous loading and offloading
Waste container	200 cuvettes per box
Dimension & Weight	860mm*740mm*560mm (W*D*H) & 145Kg
Relative Humidity	35%RH~85%RH, without condensation
Power Supply	110V/115V~, 60Hz; 220V-240V~, 50Hz; 220V/230V~, 60Hz
Input Power	1000VA
Operating Temperature	15~30 °C
Altitude Height	400m~3000m
LIS	Bidirectional

Order information

Item code	Product
4000004021	SYS AURORA CHEMILUMINESCENCE IMMUNOASSAY ANALYZER

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