

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

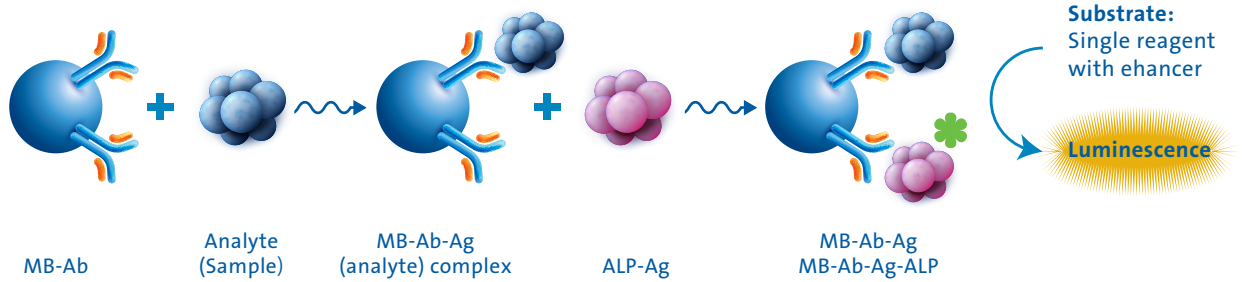
DiaSys

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



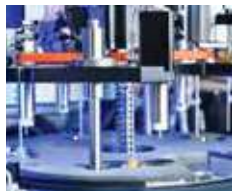
Intelligent consumable management with live status



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 FT3 FT4 T3 T4 TSH Anti-TG Anti-TPO Tg rT3 TRAb*	Infectious Marker HIV Combo* HBsAg* Anti-HBs* HBeAg* Anti-HBe* Anti-HBc* Anti-HCV* Anti-TP (Syphilis)*	Liver Fibrosis Hyaluronic Acid PIIINP N-P* Collagen Type IV* Human Laminin*	Tumor Marker CEA AFP CA125 CA15-3 CA19-9 Free PSA Total PSA NSE CYFRA 21-1 CA72-4 PG I PG II SCCA HE4 ProGRP CA50 CA242 PIVKA-II* AFP-L3%* Hp IgG* G-17*
Fertility Total β -HCG FSH LH Prolactin E2 E3 TESTOSTERONE PROGESTERONE ACTH DHEA-S AMH	ToRCH Toxo IgG Toxo IgM Rubella IgG Rubella IgM CMV IgG CMV IgM HSV-1/2 IgG HSV-1/2 IgM HSV-1 IgG HSV-2 IgG Toxo IgG Avidity* CMV IgG Avidity*	Cardiac CK-MB Myoglobin Troponin I BNP Renin* Aldosterone*	Diabetes C-peptide Insulin
		Bone Metabolic 25-OH Vitamin D Intact PTH Calcitonin	Inflammation PCT IL-6
		Anemia Vitamin B12 Ferritin Folate (FA)	

*Launching soon



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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

Order information	
Item code	Product
4000004021	SYS AURORA CHEMILUMINESCENCE IMMUNOASSAY ANALYZER



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