

CL-1200i

Chemiluminescence Immunoassay System





Simple yet Rok



Enhanced Reaction System

4-phase magnetic separation with precisely controlled temperature
Consistent performance reliability with enhanced PMT detection system
Non-touch vortexer mixing for reaction solution without any contamination





Sample & Reagent Probe

Precisely controlled syringe motors offer high precision aspiration Intelligent liquid level detection, clot detection, vertical and horizontal collision protection

Efficient interior & exterior probe wash with high pressure wash buffer Programmable enhanced probe wash with detergent



Sample Handling

Samples loading and offloading continuously by sample racks Unified sample racks with detachable adaptor Rack status real-time indicting on lane numbers STATs prioritized fast

bust





Intuitive Software Interface

Unified software interface, significantly reduces training effort Smooth interchange by intuitive software navigation Easy access to touch screen monitor with swing arm (optional)



Consumables Management

Random access for cuvette loading without pause or stop 88*2 cuvettes in one batch, 200 cuvettes per waste bag Cuvettes & waste bag status real-time indicating



Reagent & Substrate Handling

Easy for reagent & substrate handling, liquid reagents ready-to-use 2°C~8°C non-stop refrigerated reagent carousel featured 25 positions Same reagent pack size with CL-2000i (50 tests/100 tests per pack) Reagents stable on board for up to 56 days



Test Menu

HBeAg quantitative *

Thyroid	Fertility	Metabolic	Tumor Marker
FT3	Total β-HCG	Intact PTH	CEA
FT4	FSH	Calcitonin	AFP
T3	LH	Vitamin D total	CA125
T4	Prolactin	Ferritin	CA15-3
TSH	E2	Vitamin B12	CA19-9
Anti-TG	E3	Folate	FPSA
Anti-TPO	TESTO	RBC Folate	TPSA
Thyroglobulin (TG)	PROG		NSE
TRAB *	Free testosterone *	Diabetes	CYFRA 21-1
rT3	17-OH PROG *	Insulin	CA72-4
	SHBG *	C-peptide	ProGRP *
	•	'	PG I
Down's screening	Growth hormone	Others	PG II
PAPP-A *	hGH *	ACTH	SCCA *
Free β-HCG *	IGF-1 *	DHEA-S	HE4 *
песрпес	AMH *	Cortisol	CA242 *
	CAIVII I	Cortisor	CA50 *

Infectious Disease	Cardiac	Liver fibrosis	Inflammation
HBsAg	CK-MB	LN	PCT *
Anti-HBs	Myoglobin	НА	
HBeAg	Troponin I	PIIINP	
Anti-HBe	BNP	CIV	
Anti-HBc	Angiotension I *		
HIV combo	Angiotension II *		
Anti-HCV **	Renin *		
Anti-TP	Aldosterone *	*To be launched ** CF Danding	
Anti-HBc IgM *		*To be launched ** CE Pending	

CL-1200i

Chemiluminescence Immunoassay System

reagents and AMPPD substrate

Technical Specifications

General Information Magnetic Separation Unit
Throughput Up to 180 tests/hour Separation Assembly

Measurement Principle 4-phase magnetic separation

Micron superparamagnetic particles platform Temperature Accuracy: 37±0.3°C, fluctuation: ±0.2°C

with alkaline phosphatase (ALP) labeled

Measurement and Reaction System

Operating Temperature 15°C~30°C

Detection Mode Photon counting

Sample Assembly Signal Detector Photomultiplier (PMT) photon counter

Sample Feeder Continuous sample loading and offloading PMT Calibration LED reference module by sample racks Reaction Carousel 75 positions

Sample Rack 10 positions per rack, same as Temperature Accuracy: 37±0.3°C, fluctuation: ±0.2°C

BS-800/BS-2000/CL-2000i series Mixing Unit Non-touch vortexer mixing

Sample Capacity Up to 60 samples in one batch

Sample Probe Steel probe, liquid level detection, clot Cuvette Loading and Waste Collection

detection, horizontal and vertical collision Cuvette Disposable plastic cuvette

protection Cuvette Loading 88 cuvettes per tray, two trays can be loaded in

Sample Volume 10μl~200μl, with increment of 1μl one batch, continuous loading and offloading

Sample Dilution Automatic dilution with 1:2 ~ 1:80 Waste Collection Waste container, 185 cuvettes per box

Reagent Assembly Working Conditions

50 tests per pack, 100 tests per pack

Reagent Disk 25 reagent positions, continuous loading, Power Supply 110V/115V~, 60Hz; 220V-240V~, 50Hz;

real-time mixing for magnetic particles 220V/230V~, 60Hz

Cooling System 2°C~8°C Input Power 2000VA

Reagent Scanning Built-in/external bar code reader scanning Relative Humidity 35%RH~80%RH, without condensation

Reagent Probe Steel probe, liquid level detection, bubble Dimension Main Unit: 1400mm*760mm*600mm (W*D*H)

detection, horizontal and vertical collision

Weight: 225kg

detection, horizontal and vertical collision Weight: 225kg protection Altitude Height -400m~4000m

Reagent Volume 20μl~200μl, with increment of 1μl

Substrate System

Substrate Bottle 300/500 tests per bottle, bottom piercing Substrate Loading Capable of continuous loading during testing

Substrate Heating Constant heating

Aspiration Volume 200µl

Reagent Pack

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