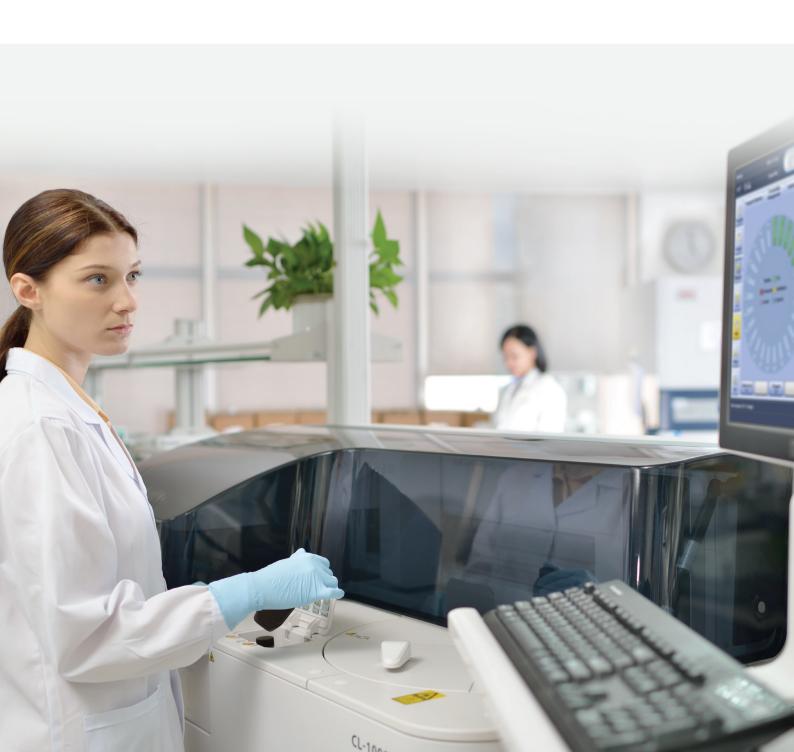


CL-1200iChemiluminescence Immunoassay System

Simple yet Robust





CL-1200i

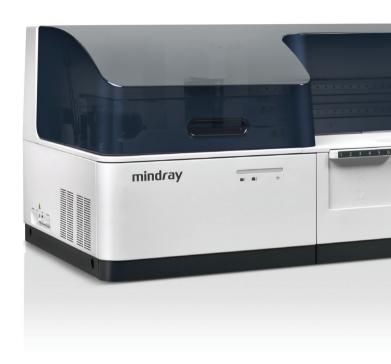
Chemiluminescence Immunoassay System



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

Simple yet Ro





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





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

Thyroid	Infectious Disease	Fertility	Tumor marker
FT3	HIV Combo	Total β-HCG	CEA
FT4	HBsAg	FSH	AFP
Т3	Anti-HBs	LH	CA125
T4	HBeAg	Prolactin	CA15-3
TSH	Anti-HBe	E2	CA19-9
Anti-TG	Anti-HBc	E3	FPSA
Anti-TPO	Anti-HCV	TESTO	TPSA
Tg	Anti-TP (Syphilis)	PROG	NSE
rT3	HBeAg quantitative*	Free testosterone*	CYFRA 21-1
TRAB*	Anti-HBc IgM*	17-OH PROG*	CA72-4
		SHBG*	PG I
Bone Metabolic	Cardiac	AMH*	PG II
Intact PTH	CK-MB	Diabetes Insulin C-peptide	SCCA
Calcitonin	Myoglobin		HE4
Vitamin D total	Troponin I BNP		ProGRP
			CA50
			CA242

Adrenal Function	Liver Fibrosis	ToRCH	Anemia
DHEA-S Cortisol ACTH	LN	Toxo IgG*	Ferritin
	НА	Toxo IgM*	Vitamin B12
	PIIINP	Rubella IgG*	Folate
	CIV	Rubella IgM*	RBC Folate
ı		CMV IgG*	
Hypertension Angiotension I*	Growth Hormone	CMV IgM*	Inflammation PCT
		HSV-1/2 IgG*	
	hGH*	HSV-1/2 IgM*	
Angiotension II*	IGF-1*	HSV-1 IgG*	
Renin Aldosterone		HSV-2 IgG*	
Aldostelolle			

DS' Screening

PAPP-A*

Free β-HCG*

^{*:} in development

Technical Specifications

General Information

Throughput Up to 180 tests/hour

Measurement Principle

Micron superparamagnetic particles platform

with alkaline phosphatase (ALP) labeled

reagents and AMPPD substrate

Sample Assembly

Sample Feeder Continuous sample loading and offloading

by sample racks

Sample Rack 10 positions per rack, same as

BS-800/BS-2000/CL-2000i series

Sample Capacity Up to 60 samples in one batch

Sample Probe Steel probe, liquid level detection, clot

detection, horizontal and vertical collision

protection

Sample Volume 10µl~200µl, with increment of 1µl

Sample Dilution Automatic dilution with 1: 2 ~ 1:80

Reagent Assembly

Reagent Disk 25 reagent positions, continuous loading,

real-time mixing for magnetic particles

Cooling System 2°C~8°C

Reagent Pack 50 tests per pack, 100 tests per pack

Reagent Scanning Built-in/external bar code reader scanning

Reagent Probe Steel probe, liquid level detection, bubble

detection, horizontal and vertical collision

protection

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

Magnetic Separation Unit

Separation Assembly

4-phase magnetic separation

Temperature Accuracy: 37±0.3°C, fluctuation: ±0.2°C

Measurement and Reaction System

Detection Mode Photon counting

Signal Detector Photomultiplier (PMT) photon counter

PMT Calibration LED reference module

Reaction Carousel 75 positions

Temperature Accuracy: 37±0.3°C, fluctuation: ±0.2°C

Mixing Unit Non-touch vortexer mixing

Cuvette Loading and Waste Collection

Cuvette Disposable plastic cuvette

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

one batch, continuous loading and offloading

Waste Collection Waste container, 185 cuvettes per box

Working Conditions

Power Supply 110V/115V~, 60Hz; 220V-240V~, 50Hz;

220V/230V~, 60Hz

Input Power 2000VA

Operating Temperature 15°C~30°C

Relative Humidity 35%RH~80%RH, without condensation

Dimension Main Unit: 1400mm*760mm*600mm (W*D*H)

Weight: 225kg

Altitude Height -400m~4000m



