

Test Menu

Thyroid	Infectious Disease	Fertility	Tumor marker
FT3	HIV Combo	Total β-HCG	CEA
FT4	HBsAg	FSH	AFP
T3	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
		AMH*	PG II
Bone	Cardiac	Diabetes	SCCA
Metabolic	CK-MB	Insulin	HE4
Intact PTH	Myoglobin	C-peptide	ProGRP
Calcitonin	Troponin I		CA50
Vitamin D total	BNP		CA242
Adrenal Function	Liver Fibrosis	ToRCH	Anemia
DHEA-S	LN	Toxo IgG*	Ferritin
Cortisol	HA	Toxo IgM*	Vitamin B12
ACTH	PIIINP	Rubella IgG*	Folate
	CIV	Rubella IgM*	RBC Folate
		CMV IgG*	
Hypertension	Growth Hormone	CMV IgM*	Inflammation
Angiotension I*	hGH*	HSV-1/2 IgG*	PCT
Angiotension II*	IGF-1*	HSV-1/2 IgM*	
Renin*		HSV-1 IgG*	
Aldosterone*		HSV-2 IgG*	
DS' Screening			
PAPP-A*			
Free β-HCG*			

*: in development

Technical Specifications

General Information		Measurement and Reaction System	
Throughput	Up to 180 tests/hour	Detection Mode	Photon counting
Measurement Principle	Micron superparamagnetic particles platform With alkaline phosphatase (ALP) labeled reagents And AMPPD substrate	Signal Detector	Photomultiplier (PMT) photo counter
		PMT Calibration	LED reference module
		Incubation positions	82
		Temperature	Accuracy: 37±0.3 °C
		Mixing Unit	Non-touch vortexer mixing
Sample Assembly		Cuvette Loading and Waste Collection	
Sample Feeder	Continuous sample loading and offloading	Cuvette	Disposable plastic cuvette
Sample positions	50	Cuvette Loading	88 cuvettes per tray, 2 trays can be loaded in one batch, continuous loading and offloading
Sample Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection	Waste collection	Waste container, 200 cuvettes per box
Sample Volume	10~200ul, with increment of 1ul		
Sample Dilution	Automatic dilution with 1:2~1:40		
Reagent Assembly		Working conditions	
Reagent Disk	15 reagent positions, continuous loading, real-time mixing for magnetic particles	Power Supply	100-240V~50/60Hz
Cooling System	2~8 °C	Input Power	500VA
Reagent Pack	50 tests/pack, 100 tests/pack	Operating Temperature	15~30 °C
Reagent Scanning	Built-in/External bar code reader	Relative Humidity	35%RH~85%RH, without condensation
Reagent Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection	Dimension	860mm*740mm*560mm (W*D*H)
Reagent Volume	10~200ul, with increment of 1ul	Weight:	132Kg
		Altitude Height	~400m~3000m (70kpa)
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	200ul		
Magnetic separation unit			
Separation Assembly	3-phase magnetic separation		
Temperature	Accuracy: 37±0.3 °C		



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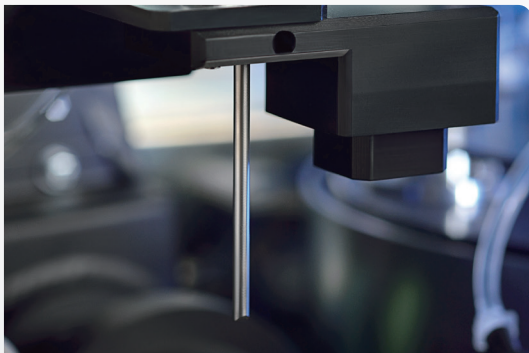
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CL-900i
Chemiluminescence Immunoassay system

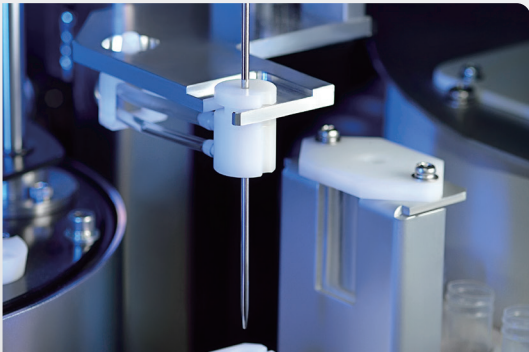
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reagents and consumables



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