

Test Menu

Thyroid FT3 FT4 T3 T4 TSH Anti-TG Anti-TPO Tg rT3 TRAB*	Infectious Disease HIV Combo HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc Anti-HCV Anti-TP (Syphilis) HBeAg quantitative* Anti-HBc IgM*	Fertility Total β-HCG FSH LH Prolactin E2 E3 TESTO PROG AMH Free testosterone* 17-OH PROG* SHBG*	Tumor marker CEA AFP CA125 CA15-3 CA19-9 FPSA TPSA NSE CYFRA 21-1 CA72-4 PG I PG II SCCA HE4 ProGRP CA50 CA242
Bone Metabolic Intact PTH Calcitonin Vitamin D total	Cardiac CK-MB Myoglobin Troponin I BNP	Diabetes Insulin C-peptide	
Adrenal Function DHEA-S Cortisol ACTH	Liver Fibrosis LN HA PIIINP CIV	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*	Anemia Ferritin Vitamin B12 Folate RBC Folate
Hypertension Angiotension I* Angiotension II* Renin Aldosterone	Growth Hormone hGH* IGF-1*		Inflammation PCT
COVID-19 SARS-CoV-2 IgG SARS-CoV-2 IgM	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 1 ul		
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		



CL-900i
Chemiluminescence Immunoassay system



www.mindray.com

P/N:ENG-CL-900i-210285X6P-20201122
©2017 Shenzhen Mindray Bio-Medical Electronics Co.,Ltd. All rights reserved.

mindray
healthcare within reach

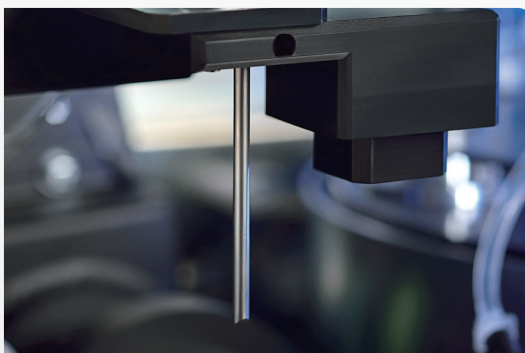


One of the world's smallest,
fully automated CLIA analyzers

CL-900i The right size for your lab



Precise magnetic separation with consistent
performance reliability



Solid-liquid waste separation
Environmental friendly



Wiper washing technology
Enhance efficiency and minimize carryover



One-key start
Extremely easy to use



Intuitive software interface
Easy access to all functions



Continuously loading of
reagents and consumables



User maintenance free
Lighten the workload



Intelligent consumables management