

Test Menu

Thyroid	Infectious Disease	Fertility	Tumor marker	Bone Metabolic	Cardiac	Diabetes	Adrenal Function
FT3 FT4 T3 T4 TSH Anti-Tg Anti-TPO Tg rT3 TRAb	HIV Combo HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc Anti-HCV Anti-TP (Syphilis) HAV IgM* HEV IgG* HEV IgM* Anti-HAV*	Total β-HCG FSH LH Prolactin Estradiol Estriol TESTO PROG AMH Free TESTO* 17-OH PROG* SHBG*	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 G-17 AFP-L3%* Hp IgG* S100*	Intact PTH Calcitonin Vitamin D total	CK-MB Myoglobin Troponin I BNP NT-proBNP hs-cTnI ST2*	Insulin C-peptide	DHEA-S Cortisol ACTH
Liver Fibrosis	COVID-19	ToRCH	Growth Hormone	Inflammation	DS' Screening	Anemia	Hypertension
Laminin Hyaluronic Acid PIIINP Collagen IV	SARS-COV-2 IgG SARS-COV-2 IgM SARS-COV-2 S-RBD IgG SARS-COV-2 Neutralizing Antibody	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	GH IGF-1 IGFBP-3	Procalcitonin IL-6 sCD14-ST	PAPP-A* Free β-HCG*	Ferritin Vitamin B12 Folate RBC Folate	Renin Aldosterone

*Under development

CL-900i

Chemiluminescence Immunoassay Analyzer

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
Sample Positions	50
Sample Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Sample Volume	10~200ul, with increment of 1 ul
Sample Dilution	Automatic dilution with 1:2~1:40

Reagent Assembly

Reagent Disk	15 reagent positions, continuous loading, real-time mixing for magnetic particles
Cooling System	2~8 °C
Reagent Pack	50 tests/pack, 100 tests/pack
Reagent Scanning	Built-in/External bar code reader
Reagent Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Reagent Volume	20~200ul, with increment of 1 ul

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	4-phase magnetic separation
Temperature	Accuracy: 37±0.3 °C

Measurement and Reaction System

Detection Mode	Photon counting
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

Cuvette Loading and Waste Collection

Cuvette	Disposable plastic cuvette
Cuvette Loading	88 cuvettes per tray, 2 trays can be loaded in one batch, continuous loading and offloading
Waste Collection	Waste container, 200 cuvettes per box

Working Conditions

Power Supply	110V/115V~, 60Hz; 220V-240V~, 50Hz; 220V/230V~, 60Hz
Input Power	1000VA
Operating Temperature	15~30 °C
Relative Humidity	35%RH~85%RH, without condensation
Dimension	860mm*740mm*560mm (W*D*H)
Weight	145Kg
Altitude Height	~400m~3000m



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Chemiluminescence Immunoassay Analyzer



www.mindray.com

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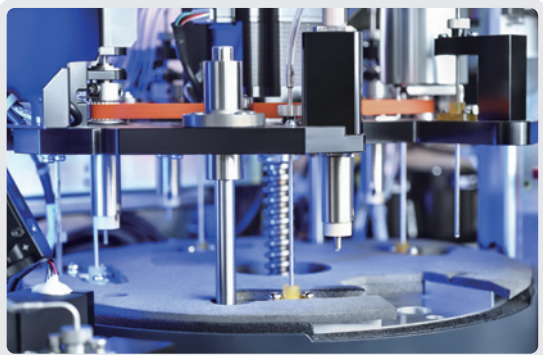
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healthcare within reach

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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



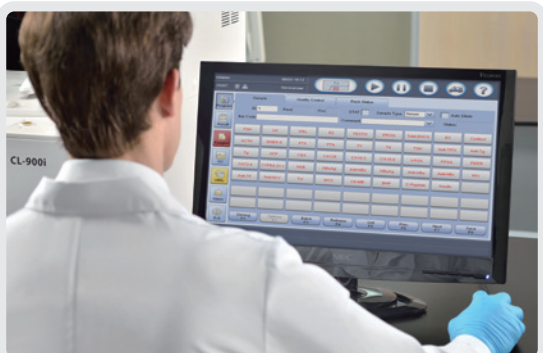
Solid-liquid waste separation
Environmental friendly



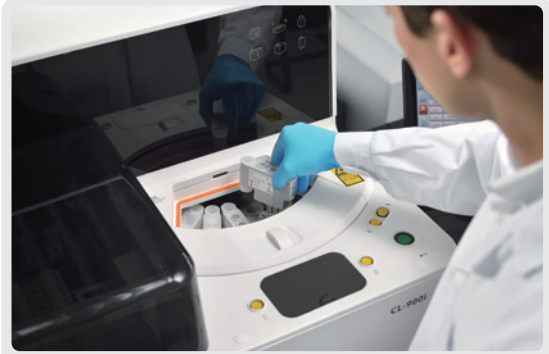
Wiper washing technology
Enhance efficiency and minimize carryover



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