

**mindray**

## CL-900i

Chemiluminescence Immunoassay system





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

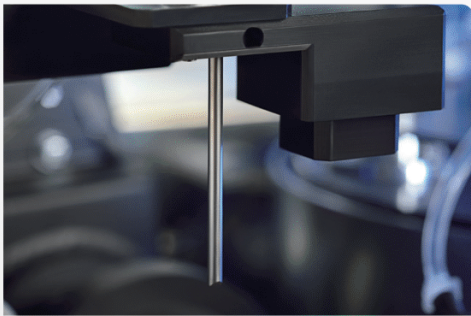




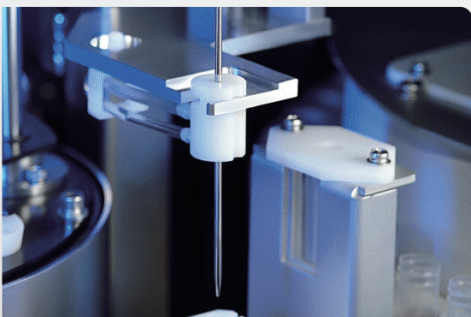
# CL-900i The right si



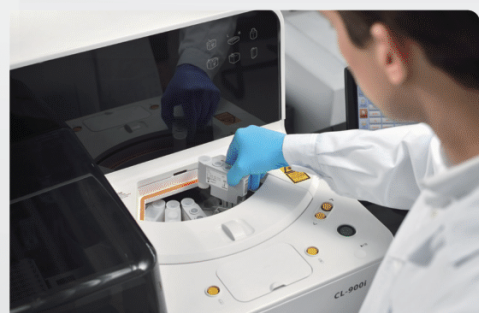
Precise magnetic separation with consistent performance reliability



Solid-liquid waste separation  
Environmental friendly



Wiper washing technology  
Enhance efficiency and minimize carryover

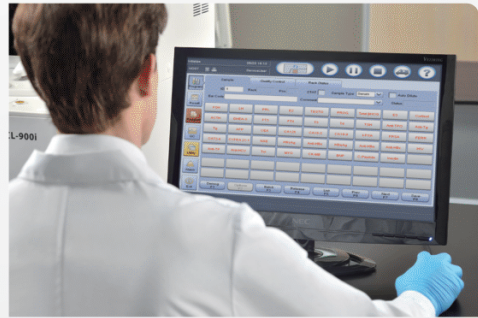


Continuously loading of reagents and consumables

# size for your lab



One-key start  
Extremely easy to use



Intuitive software interface  
Easy access to all functions



User maintenance free  
Lighten the workload



Intelligent consumables management

## Test Menu

### Thyroid

FT3  
FT4  
T3  
T4  
TSH  
Anti-TG  
Anti-TPO  
Tg  
rT3  
TRAB\*

### Bone

Metabolic  
Intact PTH  
Calcitonin  
Vitamin D total

### Adrenal Function

DHEA-S  
Cortisol  
ACTH

### Hypertension

Angiotension I\*  
Angiotension II\*  
Renin\*  
Aldosterone\*

### DS' Screening

PAPP-A\*  
Free  $\beta$ -HCG\*

### Infectious Disease

HIV Combo  
HBsAg  
Anti-HBs  
HBeAg  
Anti-HBe  
Anti-HBc  
Anti-HCV  
Anti-TP (Syphilis)  
HBeAg quantitative\*  
Anti-HBc IgM\*

### Cardiac

CK-MB  
Myoglobin  
Troponin I  
BNP

### Liver Fibrosis

LN  
HA  
PIIINP  
CIV

### Growth Hormone

hGH\*  
IGF-1\*

### Fertility

Total  $\beta$ -HCG  
FSH  
LH  
Prolactin  
E2  
E3  
TESTO  
PROG  
Free testosterone\*  
17-OH PROG\*  
SHBG\*  
AMH\*

### Diabetes

Insulin  
C-peptide

### 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\*

### 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

### Anemia

Ferritin  
Vitamin B12  
Folate  
RBC Folate

### Inflammation

PCT

\*: 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
Sample positions	50
Sample Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Sample Volume	10~200ul, with increment of 1ul
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	10~200ul, with increment of 1ul

### 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

### 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	100-240V~50/60Hz
Input Power	500VA
Operating Temperature	15~30 °C
Relative Humidity	35%RH~85%RH, without condensation
Dimension	860mm*740mm*560mm (W*D*H)
Weight:	132Kg
Altitude Height	-400m~3000m (70kpa)



[www.mindray.com](http://www.mindray.com)

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healthcare within reach