

## 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  $\beta$ -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  
IL-6  
Prepsin

### COVID-19

SARS-CoV-2 IgG  
SARS-CoV-2 IgM

### DS' Screening

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



## CL-900i Chemiluminescence Immunoassay system



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

P/N:ENG-CL-900i-210285X6P-20201122  
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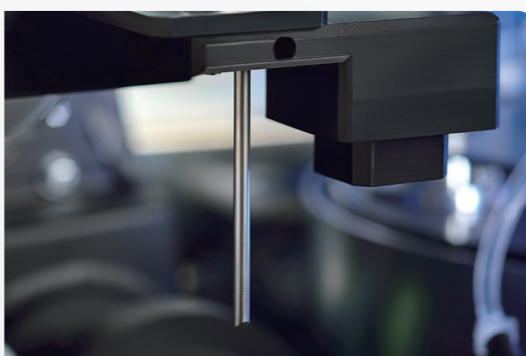


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Easy access to all functions



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User maintenance free  
Lighten the workload



Intelligent consumables management