

# 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 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 20~200ul, 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 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

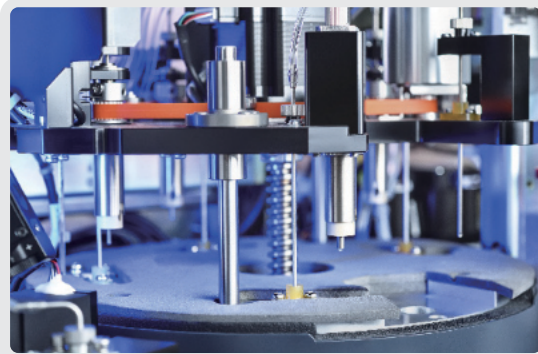


# CL-900i

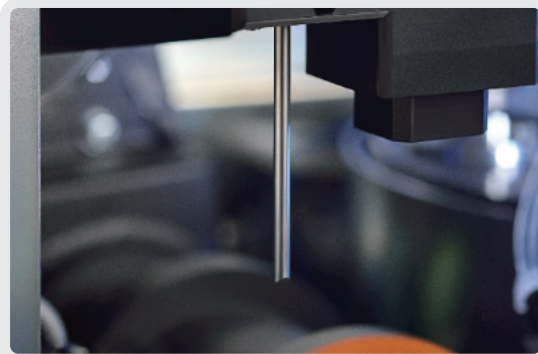
Chemiluminescence Immunoassay Analyzer



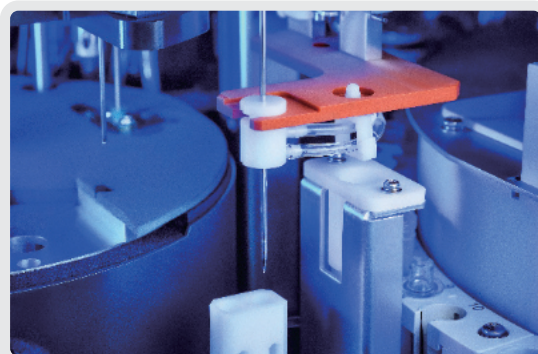
# CL-900i The right size for your lab



Precise magnetic separation with consistent performance reliability



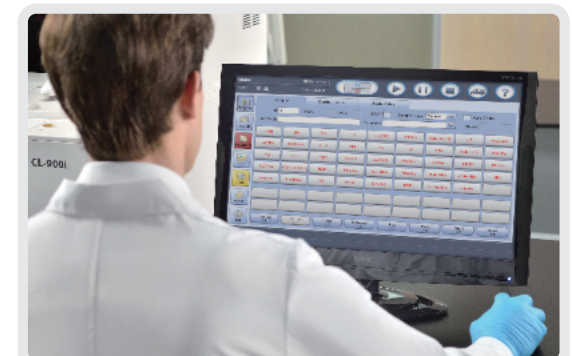
Solid-liquid waste separation  
Environmental friendly



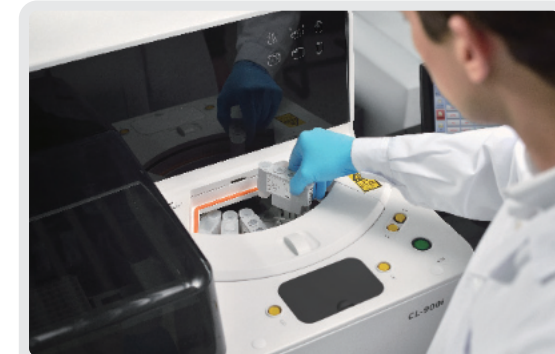
Wiper washing technology  
Enhance efficiency and minimize carryover



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

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

## Test Menu

<p><b>Thyroid</b></p> <p><b>FT3</b> FT4 T3 T4 TSH Anti-Tg Anti-TPO Tg rT3 TRAb</p>	<p><b>Infectious Disease</b></p> <p>HIV Combo HBsAg Anti-HBs HBeAg Anti-HBe Anti-HCV** Anti-TP (Syphilis) HAV IgM*</p>	<p><b>Fertility</b></p> <p>Total <math>\beta</math>-HCG FSH LH Prolactin Estradiol Estriol TESTO PROG AMH Free testosterone* 17-OH PROG* SHBG*</p>	<p><b>Tumor marker</b></p> <p>C E A AFP CA125 CA 15-3 CA 19-9 Free PSA Total PSA NSE CYFRA 21-1 CA72-4 PG I PG II SCCA HE4 ProGRP CA50 CA242 PIVKA-II* AFP-L3%* Hp IgG* G-17*</p>	<p><b>Bone Metabolic</b></p> <p>Intact PTH Calcitonin Vitamin D total</p>	<p><b>Cardiac</b></p> <p>CK-MB Myoglobin Troponin I BNP NT-proBNP*</p>	<p><b>Diabetes</b></p> <p><b>DM</b></p> <p>Insulin C-peptide</p>
<p><b>Adrenal Function</b></p> <p>DHEA-S Cortisol ACTH</p>	<p><b>Liver Fibrosis</b></p> <p>Laminin Hyaluronic Acid PIIINP Collagen IV</p>	<p><b>COVID-19</b></p> <p>SARS-COV-2 IgG SARS-COV-2 IgM SARS-COV-2S-RBD IgG SARS-COV-2 Neutralizing Antibody</p>	<p><b>ToRCH</b></p> <p>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*</p>	<p><b>Growth Hormone</b></p> <p>GH* IGF-1*</p>	<p><b>Anemia</b></p> <p>Ferritin Vitamin B12 Folate RBC Folate</p>	<p><b>Hypertension</b></p> <p>Renin Aldosterone</p>
<p><b>Inflammation</b></p> <p>Procalcitonin IL-6 sCD14-ST</p>	<p><b>DS<sup>†</sup> Screening</b></p> <p>PAPP-A* Free <math>\beta</math>-HCG*</p>					

\*: Under development  
\*\*: Non-CE