

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

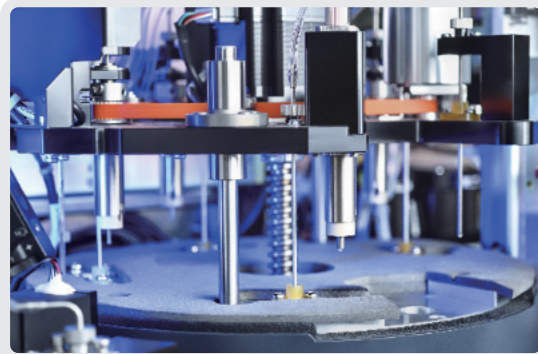


CL-900i

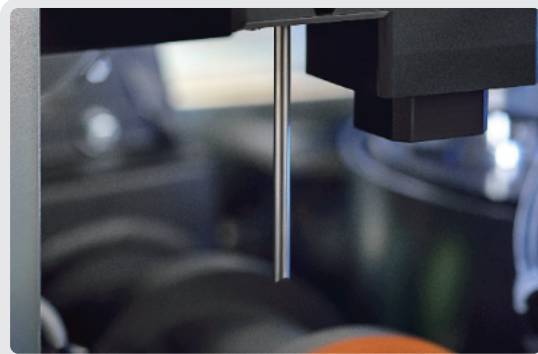
Chemiluminescence Immunoassay Analyzer



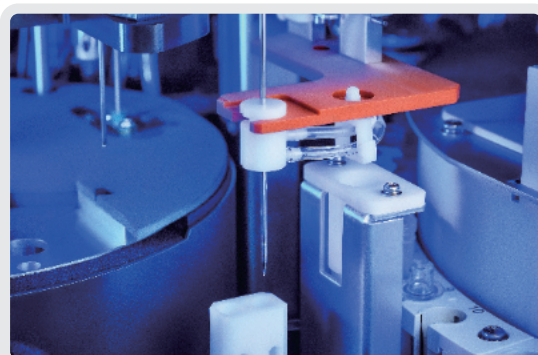
CL-900i The right size for your lab



Precise magnetic separation with consistent performance reliability



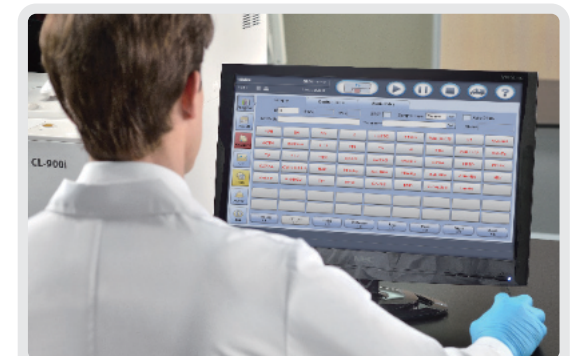
Solid-liquid waste separation
Environmental friendly



Wiper washing technology
Enhance efficiency and minimize carryover



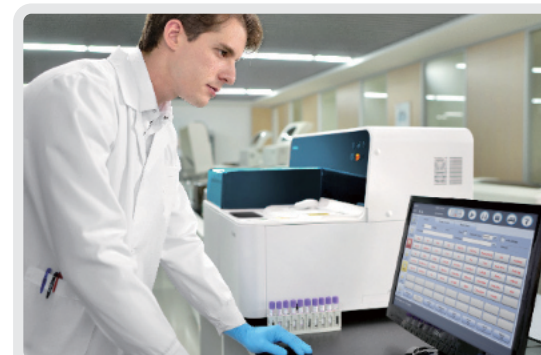
One-key start
Extremely easy to use



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

*: Under development
**: Non-CE