

CL-900i Test Menu

CL-900i Technical Specifications



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 β -HCG FSH LH Prolactin E2 E3 TESTO PROG Free testosterone* 17-OH PROG* SHBG* AMH*	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
DS' Screening PAPP-A* Free β -HCG*			

*: in development

General Information Throughput Measurement Principle	Up to 180 tests/hour Micron superparamagnetic particles platform With alkaline phosphatase (ALP) labeled reagents And AMPPD substrate	Measurement and Reaction System Detection Mode Signal Detector PMT Calibration Incubation positions Temperature Mixing Unit	Photon counting Photomultiplier (PMT) photo counter LED reference module 82 Accuracy: 37 $\pm$ 0.3 $^{\circ}$ C Non-touch vortexer mixing
Sample Assembly Sample Feeder Sample positions Sample Probe	Continuous sample loading and offloading 50 Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection	Cuvette Loading and Waste Collection Cuvette Cuvette Loading	Disposable plastic cuvette 88 cuvettes per tray, 2 trays can be loaded in one batch, continuous loading and offloading
Sample Volume Sample Dilution	10~200ul, with increment of 1ul Automatic dilution with 1:2~1:40	Waste collection	Waste container, 200 cuvettes per box
Reagent Assembly Reagent Disk Cooling System Reagent Pack Reagent Scanning Reagent Probe	15 reagent positions, continuous loading, real-time mixing for magnetic particles 2~8 $^{\circ}$ C 50 tests/pack, 100 tests/pack Built-in/External bar code reader Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection	Working conditions Power Supply Input Power Operating Temperature Relative Humidity Dimension Weight Altitude Height	100-240V~50/60Hz 500VA 15~30 $^{\circ}$ C 35%RH~85%RH, without condensation 860mm*740mm*560mm (W*D*H) 132Kg -400m~3000m (70kpa)
Reagent Volume	10~200ul, with increment of 1ul		
Substrate System Substrate Bottle Substrate Loading Substrate Heating Aspiration Volume	300/500 tests per bottle, bottom piercing Capable of continuous loading during testing Constant heating 200ul		
Magnetic separation unit Separation Assembly Temperature	3-phase magnetic separation Accuracy: 37 $\pm$ 0.3 $^{\circ}$ C		



CL-900i
Chemiluminescence
Immunoassay System
The right size for your lab



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One of the world's smallest,
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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