

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-960i

Chemiluminescence analyzer

180 Test/hr



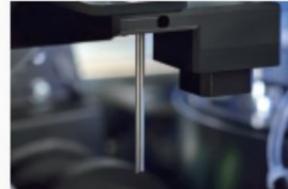
'Precise, Fast & Compact'

Fully automated CLIA analyzer

CL-960i 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



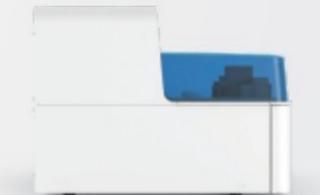
Intuitive software interface
Easy access to all functions



Continuously loading of reagents and consumables



User maintenance free
Lighten the workload



Intelligent consumables management

Test Menu

Thyroid

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

Bone

Metabolic
Intact PTH
Calcitonin
Vitamin D total

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

Fertility

Total β -HCG
FSH
LH
Prolactin
E2
E3
TESTO
PROG
Free testosterone*
17-OH PROG*
SHBG*
AMH*
Diabetes
Insulin
C-peptide

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

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*

Adrenal Function

DHEA-S
Cortisol
ACTH

Hypertension

Angiotension I*
Angiotension II*
Renin*
Aldosterone*

DS' Screening

PAPP-A*
Free β -HCG*

Liver Fibrosis

LN
HA
PIIINP
CIV

Inflammation

PCT

Anemia

Ferritin
Vitamin B12
Folate
RBC Folate

Growth Hormone

hGH*
IGF-1*

* Coming Soon