

CL-2600i

Chemiluminescence Immunoassay System

Technical Specifications

General Information

Throughput	Up to 240 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 Rack	10 positions per rack
Sample Capacity	Up to 70 samples in one batch
Sample Probe	Steel probe, liquid level detection, horizontal and vertical collision protection
Sample Volume	10~200ul, with increment of 1ul
Sample Dilution	Automatic dilution with 1:2 ~ 1:80

Reagent Assembly

Reagent Disk	25 reagent positions, continuous loading, real-time mixing for magnetic particles
Cooling System	2~8 °C
Reagent Pack	50 tests, 100 tests
Reagent Scanning	Built-in/external bar code reader
Reagent Probe	Steel probe, liquid level detection, bubble 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	Continuous loading during testing

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
Temperature Accuracy	37±0.3°C

Mixing Unit	Non-touch vortexer mixing
Cuvette	Disposable plastic cuvette
Cuvette Loading	Continuous loading by cuvette dumping

Working Conditions

Power Supply	220V~240V(±10%), 50 Hz/60Hz(±1Hz) 110V~127V(±10%), 50 Hz/60Hz(±1Hz)
Input Power	1650VA
Relative Humidity	35%RH~80%RH, without condensation
Dimension	1145mm*873mm*1225mm (W*D*H)
Weight	320kg
Altitude Height	-400m~3000m

Expandability

Can be integrated with BS-600M or BS-1000M

CL-2600i

Chemiluminescence Immunoassay System

Reliable yet Accessible



CL-2600i

Chemiluminescence Immunoassay System

Empowering mid-volume laboratories by providing reliable results and improving operational efficiency



Footprint <math>< 1\text{m}^2</math> with a throughput of 240T/H
Integratable with chemistry analyzers with high compactness



Adopting FS-Sampling and waterfall vacuum washing technology to ensure accurate results



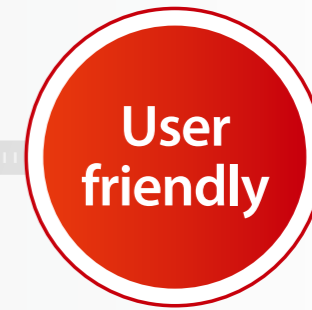
- Ready-to-use calibrators and controls and free of daily maintenance design greatly improve operational efficiency
- Proven long-life modules and low-consumption design effectively reduce usage costs



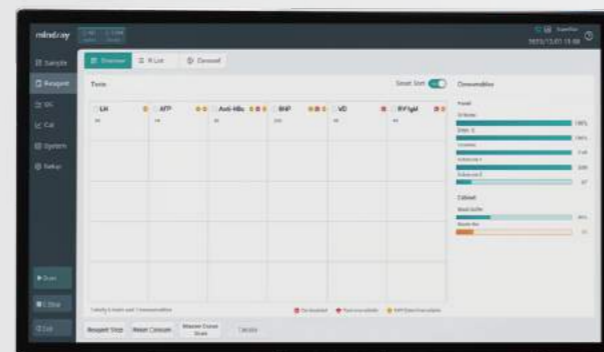
- Large capacity in small space
- Integratable with chemistry analyzers



- FS-sampling (Full Scene Sampling)
- 85 sensor groups



- Ready-to-use calibrators and controls
- Free of daily maintenance



Compact

Footprint
<1m²

Longest walk-away time
5_H

Non-stop loading of all consumables



Bulk cuvette loading module with a maximum capacity of 1200 cuvettes



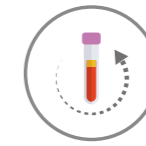
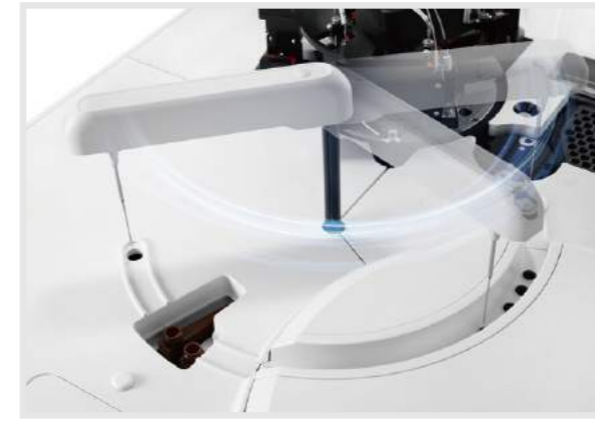
70 sample positions
1 min response to STAT samples



25 reagent positions
with 2-8°C refrigeration

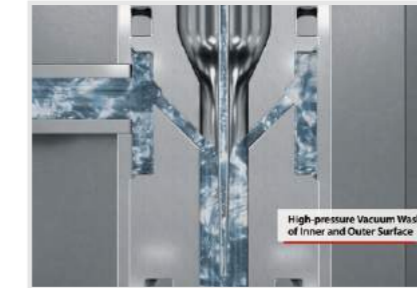


Worry-free



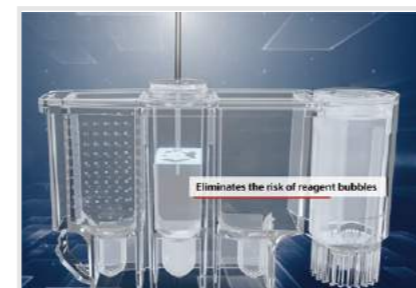
360° waterfall vacuum washing

360° waterfall vacuum washing and enhanced washing eliminate carry-over <math>< 0.1\text{ppm}</math>



FS-Sampling

FS-Sampling can identify sample containers based on databases and algorithms, improving the accuracy of sample aspiration.



Real-time analyzer monitoring



User-friendly

Free of daily maintenance

General maintenance of other instruments

- Daily maintenance
- Weekly maintenance
- Monthly maintenance

VS

maintenance of CL-2600i

0

maintenance

Proven enduring modules



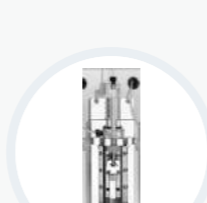
Cuvette transportation system



Bulk cuvette loader



Magnetic separation



Injection syringe



Concentrated wash buffer

Support built-in module, reducing transportation and inventory costs



Patented software interface design



Expandability

Integratable with chemistry analyzers with high compactness

BS-600M + CL-2600i

Integrated into

M680

600T/H CC + 240T/H IA

2.2m²



BS-1000M + CL-2600i

Integrated into

M980

1000T/H CC + 240T/H IA

2.6m²

Test Menu

Thyroid	Infectious Disease	Fertility	Tumor marker	Bone Metabolic	Cardiac	Diabetes
<ul style="list-style-type: none"> FT3 FT4 T3 T4 TSH Anti-Tg Anti-TPO Tg rT3 TRAb 	<ul style="list-style-type: none"> HIV Combo HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc Anti-HCV Anti-TP (Syphilis) HAV IgM* HEV IgG* HEV IgM* Anti-HAV* 	<ul style="list-style-type: none"> Total β-HCG FSH LH Prolactin Estradiol Estriol TESTO PROG AMH Free TESTO* 17-OH PROG* SHBG* 	<ul style="list-style-type: none"> CEA AFP NSE PG I PG II HE4 Free PSA Total PSA CYFRA 21-1 CA72-4 ProGRP PIVKA-II G-17 AFP-L3%* Hp IgG* S100* 	<ul style="list-style-type: none"> Intact PTH Calcitonin Vitamin D total 	<ul style="list-style-type: none"> CK-MB Myoglobin Troponin I BNP hs-cTnl NT-proBNP 	<ul style="list-style-type: none"> Insulin C-peptide
<ul style="list-style-type: none"> DHEA-S Cortisol ACTH 	<ul style="list-style-type: none"> Laminin Hyaluronic Acid PIIINP Collagen IV 	<ul style="list-style-type: none"> SARS-COV-2 IgG SARS-COV-2 IgM SARS-COV-2 S-RBD IgG SARS-COV-2 Neutralizing Antibody 	<ul style="list-style-type: none"> 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 TOXO IgG Avidity CMV IgG Avidity 	<ul style="list-style-type: none"> GH* IGF-1* IGFBP-3* 	<ul style="list-style-type: none"> Ferritin Vitamin B12 Folate RBC Folate 	<ul style="list-style-type: none"> Renin Aldosterone
<ul style="list-style-type: none"> Procalcitonin IL-6 sCD14-ST 						

*: Under development