

CL-2600i

Chemiluminescence Immunoassay Analyzer

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, clot 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*1230mm (W*D*H)
Weight	320kg
Altitude Height	-400m - 3000m

Expandability

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

CL-2600i

Chemiluminescence Immunoassay Analyzer

Reliable yet Accessible



CL-2600i

Chemiluminescence Immunoassay System

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



Footprint < 1m² 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

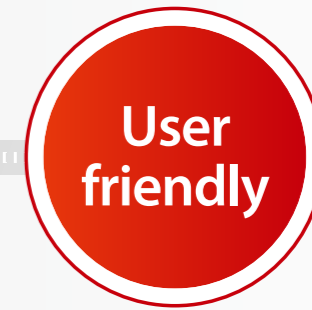
Proven long-life modules and low-consumption design effectively reduce usage costs



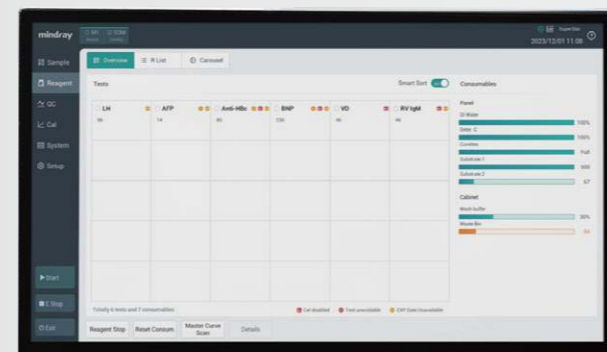
- Large capacity in small space
- Integratable with chemistry analyzers



- FS-sampling (Full Scene Sampling)
- Real-time analyzer monitoring with 85 sensor groups



- Proven enduring modules
- 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



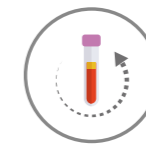
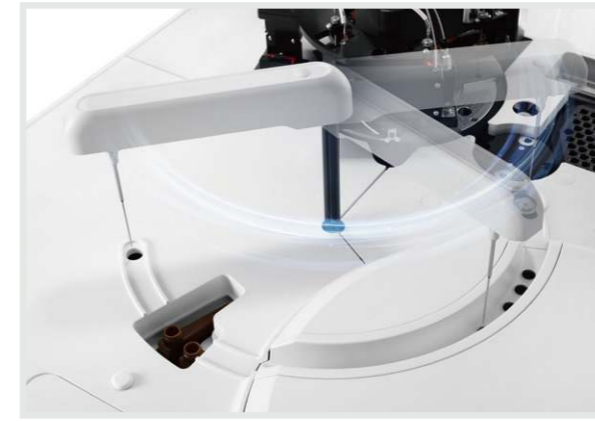
25 reagent positions
with 2-8°C refrigeration



DECLARATION: Products may not be licensed in accordance with the laws in all countries. Please check with your local representative for availability.

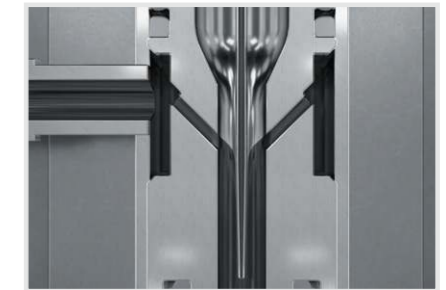
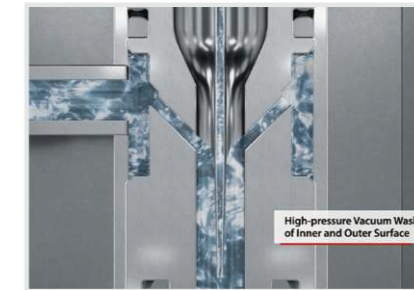
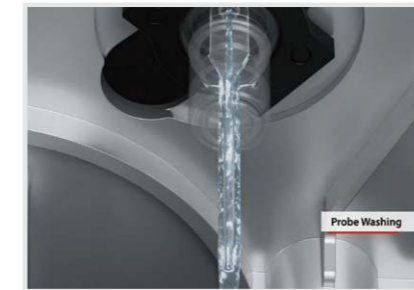
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Worry-free



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



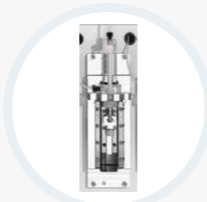
Cuvette transportation system



Bulk cuvette loader



Magnetic separation



Injection syringe



Concentrated wash buffer

Support built-in module, reducing transportation and inventory costs



Patented software interface design



Expandability

Integrable 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

Assay menu

Chemiluminescence

Thyroid	Infectious Disease	Fertility	Tumor marker	Bone Metabolic	Cardiac	Diabetes	Adrenal Function
FT3 FT4 T3 T4 TSH Anti-Tg Anti-TPO Tg rT3 TRAb	HIV Combo HBsAg Anti-HBs HBeAg Anti-HBc Anti-HBc Anti-HCV Anti-TP (Syphilis) HAV IgM* HEV IgG* HEV IgM* Anti-HAV*	Total β-HCG FSH LH Prolactin Estradiol Estriol TESTO PROG AMH Free TESTO* 17-OH PROG* SHBG*	CEA AFP CA125 CA15-3 CA19-9 Free PSA Total PSA NSE CYFRA 21-1 CA72-4 PG I PG II SCCA HE4 ProGRP CA50 CA242 PIVKA-II G-17 AFP-L3%* Hp IgG* S100*	Intact PTH Calcitonin Vitamin D total	CK-MB Myoglobin Troponin I BNP NT-proBNP hs-cTnI ST2*	DM Insulin C-peptide	DHEA-S Cortisol ACTH
Liver Fibrosis	COVID-19	ToRCH	Growth Hormone	Inflammation	DS [†] Screening	Anemia	Hypertension
Laminin Hyaluronic Acid PIIINP Collagen IV	SARS-COV-2 IgG SARS-COV-2 IgM SARS-COV-2 S-RBD IgG SARS-COV-2 Neutralizing Antibody	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	GH* IGF-1* IGFBP-3*	Procalcitonin IL-6 sCD14-ST	PAPP-A* Free β-HCG*	Ferritin Vitamin B12 Folate RBC Folate	Renin Aldosterone

Clinical Chemistry

Hepatic Panel	Inorganic & Anemia	Diabetes Panel	Lipid Panel	Renal Panel	Rheumatism Panel	Pancreatitis Panel	Cardiac panel	Immune Panel	Lung Panel
ALT AST ALP y-GT Bil-D DSA Bil-D VOX Bil-T DSA Bil-T VOX TP ALB TBA PA CHE AFU	Fe FER TRF Ca Mg P UIBC G6PD	DM Glu-O Glu-HK HbA1c FUN β-HB	TC TG HDL-C LDL-C ApoA1 ApoB Lp(a)	UREA CREA-S UA CO ₂ mALB β2-MG CysC RBP	CRP RF ASO	α-AMY LIP	CK CK-MB LDH α-HBDH HS-CRP HCY MYO D-Dimer	IgA IgG IgM IgE C3 C4	ADA ACE

*: Under development