

BI-2000

AUTOMATIC CHEMILUMINESCENCE ANALYZER



ACCURATE | STABLE | FAST | CONVENIENT | RELIABLE

STABLE

Multiple magnetic separation technology, high-efficient B/F separation. Patented magnetic field design, minimize the magnetic beads' loss. The track-based technology ensures the accurate sampling of micro-volume. The needle has the detection function to the liquid level, clot and aspiration failure. The carry-over is less than 0.1 ppm.

FAST

Single-module runs up to 180T/H Time to the First result: 14 minutes

CONVENIENT

Continuous reagents replacement and samples loading during the operation STAT Prioritization, Automatic Rerun software, easy to learn.

RELIABLE

Full loaded unattended operation for 4 hours Remote Diagnosis Thorough system of metrological traceability.



Cuvettes loading by dumping, one-time for 1200 cuvettes.



Used cuvettes recycling to separate the solid and liquid, which will efficiently reduce the biological safety risks.



30 refrigerated reagent positions, RFID management for reagent info, online reagent replacement.



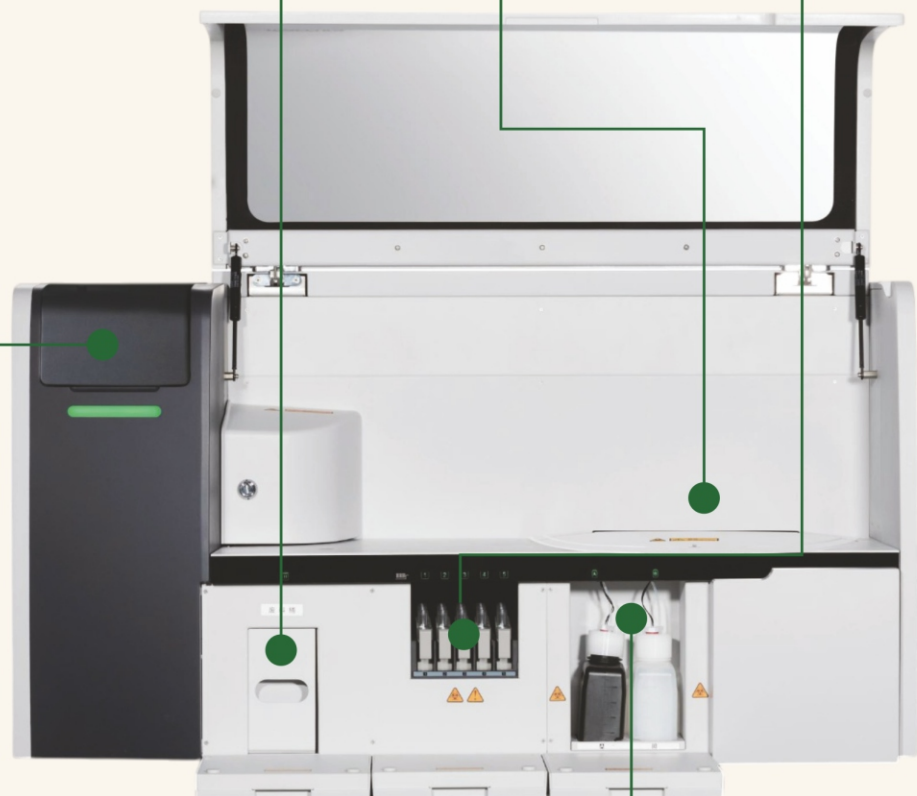
STAT samples could be placed randomly and be tested preferentially.



RFID management for activators Special design to prevent the activators to be placed incorrectly.



Humanized interface design, convenient operation and easy to learn.



SPECIFICATIONS:

ITEMS		CLIA BI-2000 SPECIFICATION
General	Methodology	Direct Chemiluminescence Immunoassay (CLIA)
	Model Type	Bench top Placing Unit with Standard Accessories having on board Calibration & QC Monitoring
	Substrate/Marker	Acridinium Ester (AE) Direct Chemiluminescence Immunoassay Fully automated, Bench top, walk away,
	System	random access Chemiluminescence analyzer
	Throughput	up to 180 Test Per Hour
	Time to first result	Less than 14mins to first result
Sample Module	LIS system Sample position	Support Bi-directional LIS communication
	Sample position	50 Positions with Loading of 50 samples Per hour
	Assay Position	30 Reagents Positions on Board
	Sample rack	Loading with sample racks without interruption continuous sample loading
	STAT	STAT samples could be placed randomly and be tested preferentially
	Sample Tube	General Sample Tubes, Micro Sample Tubes, Adults & Paediatric Volumes
	Auto-rerun	Automatic dilution and retest abnormal sample
	Barcode reader	Support built-in barcode reader
Sample Loading System	Sampling way	sample needle
	Reagent position	30 refrigerate reagent positions
	RFID reader	RFID technology, RFID management for reagent information Continuous loading of reagent.
	Reagent replacements	Continuous loading of reagent. Reagent online replacement without interruption
	Mixture	Real-time and online mixture by magnetic beads
	Cooling system	Support 24-hour nonstop cooling at 2 to 8°C
	Unattended operation	Full loaded unattended operation for 4 hours
	Reagents identification	Automatic identification of reagent position and information
	Reagents	Ready to use reagents with longer onboard stability & shelf life
Reaction System	Mixture	Mixing: non-contact stir
	Separation	Magnetic separation: multiple magnetic separation technology
	Incubation	Stable temperature control at 37°C
System Module	Carry Over	Sample carry-over <0.1ppm
	Flags	Foam / Clot detection, Liquid level detection, Bubble detection, Liquid Volume tracking, Viscosity and abnormal values
	Sample type	Serum/ Plasma/ Whole Blood for Quantitative and Qualitative Analysis of Test
	Calibration and QC	Automatic Lot calibration, inbuilt quality control system and LJ charts available
Consumable Module	Capacity	Loading capacity of cuvettes 1200 cuvettes loading by dumping
	Biological safety risks.	Used cuvettes recycling to separate the solid and liquid, which will efficiently reduce the biological safety risks.
	Monitoring	Real time monitoring & management for each consumables
Other	Dimension	1200mm x 755mm x 675mm
	Electric / Connectivity	100-200V, 50/60HZ 850 VA, LIS Compatible
	Weight	170kg

Infectious Diseases

- ✓ HBsAg ✓ anti-HAV IgM*
- ✓ HBsAb ✓ anti-HBc IgM*
- ✓ HBeAg ✓ HBV PreS1
- ✓ HBeAb ✓ anti-HDV IgM*
- ✓ HBcAb ✓ anti-HDV IgG*
- ✓ HIV Ag/Ab ✓ anti-HEV IgM*
- ✓ anti-TP ✓ anti-HEV IgG*
- ✓ anti-HCV

Autoimmune ANAS*

- ✓ Anti-Jo-1 ✓ Anti-dsDNA ✓ Anti-LKM-1
- ✓ Anti-Sm/RNP ✓ Anti-Scl-70 ✓ Anti-gp210
- ✓ Anti-Sm ✓ Anti-Rib-P ✓ Anti-LC-1
- ✓ Anti-SSA(Ro60) ✓ Anti-SSA(Ro52) ✓ Anti-SLA/LP
- ✓ Anti-SSB(La) ✓ Anti-histone ✓ Anti-sp100
- ✓ Anti-Nuc ✓ Anti-PM-Scl ✓ Anti-MPO
- ✓ Anti-CENP-B ✓ Anti-PCNA ✓ Anti-PR3
- ✓ AMA-M2 ✓ SAA ✓ Anti-GBM
- ✓ S100

Torch Eugenics*

- ✓ TOXO IgG ✓ CMV IgM
- ✓ TOXO IgM ✓ HSV 2 IgG
- ✓ Rubella IgG ✓ HSV 1/2 IgG
- ✓ Rubella IgM ✓ HSV 1/2 IgM
- ✓ CMV IgG

Tumor Markers

- ✓ AFP ✓ t-PSA ✓ CA50
- ✓ CEA ✓ f-PSA ✓ pro-GRP
- ✓ CA125 ✓ NSE ✓ CA242
- ✓ CA15-3 ✓ CYFRA21-1 ✓ CA72-4
- ✓ CA19-9 ✓ SCC ✓ HE4

Thyroid Function

- ✓ TSH ✓ anti-TPO
- ✓ FT4 ✓ anti-TG
- ✓ TT4 ✓ TRAB
- ✓ FT3 ✓ Tg
- ✓ TT3 ✓ CT

Sex Hormones

- ✓ LH ✓ E2
- ✓ FSH ✓ Tes
- ✓ PRL ✓ AMH
- ✓ Prog ✓ 17-OH Prog*
- ✓ -HCG ✓ DHEA-SO4*
- hGH

Hypertension*

- ✓ ALD
- ✓ Renin
- ✓ Corti
- ✓ ACTH
- ✓ Angio-2

Prenatal Screening

- ✓ AFP ✓ Free -HCG
- ✓ uE3* ✓ PAPP-A*

Autoimmune Diabetes*

- ✓ IAA ✓ ICA
- ✓ GADA ✓ IA-2A

Autoimmune Hepatosis*

- ✓ sp100 ✓ AMA-M2
- ✓ SLA ✓ LKM

Anemia

- ✓ Ferr
- ✓ FA
- ✓ VB12

Inflammation

- ✓ PCT ✓ IL-6

Bone Metabolism

- ✓ 25-OH VD ✓ iPTH

Glycometabolism

- ✓ C-P ✓ INS

Allergy*

- ✓ IgE

Autoimmune Rheumatic Disease

- ✓ Anti-CCP ✓ RF IgG ✓ RF IgA
- ✓ RF ✓ RF IgM

CARDIAC

- ✓ CK-MB ✓ Myo
- ✓ cTnI\ ✓ NT-proBNP

Manufactured by :

Biogenix Inc. Pvt. Ltd.

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