

BI - 1000

Fully Automated CLIA Analyzer



Excellent Performance

- ⦿ Up to 120 T/H, First result in ≤ 15 min
- ⦿ Batch CV $\leq 3\%$

Compact & Convenient

- ⦿ Volume of 0.2m³, patented technology for highly integrated and simplified design
- ⦿ Batch/random/STAT mode available
- ⦿ Integrated control panel with machine, all consumable loading in real time

Innovative Design

- ⦿ Incubation, washing and detection all-in-one, detection efficiency improved
- ⦿ Using automatic intelligent control technology, low instrument failure rate
- ⦿ 100+ patented technologies, 100% self-developed

Compatible system

- ⦿ Compatible with AE/AP/HRP/ABEI CLIA assay protocol
- ⦿ Compatible with immunological reagents and instruments with different parameters and reaction modes

Technical Specifications



Overview

Principle: Enzymatic chemiluminescence or direct CLIA

Throughput: 120 T/H

Time to First Result: ≤ 15 min

Walk away capacity: 3 hrs

Accessories & Consumables

Assay Cup Loading: 200 cups, continuous loading and offloading

Substrate Loading: Up to 2 bottles

Wash Buffer: 10 L/bottle

Solid Waste: 200 assay cups per container

Liquid Waste: 1 barrel, for collecting waste liquid of the whole machine

Physical Information

Construction: Desktop

Weight: ≤ 38 kg

Sample Assembly

Sample Feeder: By sample racks

Sample Capacity: 30 positions

Sample Type: Serum/Plasma/Urine

Sample Probe: Single steel probe for both sample & reagent

Sample Volume: 10~150 μ L

Probe Detection: Clot, bubble & liquid level detection

Sample Tube: Optional

Automatic dilution function

Support multiple barcode reading methods

Reagent Assembly

Reagent Feeder: By reagent Disks

Reagent Capacity: 10 positions

Cooling System: 2~8°C

Anti-evaporation Control: Self-sealing

Reagent Mixing: Non-touch rotary mixing for magnetic particles

Reagent Volume: 10~200 μ L

Reagent Type: 100% ready-to-use liquid reagents

Calibration Mode: Optional

Operation Environment

Operating Temperature: 10~30 °C

Altitude: ≤ 3000 m

Reaction System

Reaction Volume/Test: ≤ 400 μ L

Reaction Disk: 52 positions

Reaction Temperature: 37 \pm 0.3°C

Reaction Time: Depending on assays

Reaction Mixing: Non-touch vortex mixing

Power information

Power Requirements: 100-240 V, 50/60 Hz

Dimension: 433(L) \times 679(W) \times 638(H)mm (control panel included)

BI - 1000 Test Menu



FSH	PAPP-A
LH	uE3
T4	Free-B-hCG
T3	hs-cTnl
TSH	hs-cTnT
FT3	ST2
FT4	LA-PLA2
Anti TPO	D-Dimer
CK-MB	H-FABP
MYO	S100-B
hCG	BNP
PRL	NT-proBNP
Testosterone	C-Peptide
Progesterone	Insulin
E2 (Estradiol)	AFP
SHBG	CEA
AMH	CA 125
HGH	CA 15-3
FE3 (Free Estriol)	CA 19-9
Ferritin	t-PSA
Vitamin B12	f-PSA
Vitamin D	NSE
Tg	CYFRA 21-1
ATG	He4

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PG-I	Herpes IgM-I/II*
PG-II	Herpes IgG-I/II*
SCCA	Herpes IgG-II*
B2-MG	Anti-IgE
ProGRP	Anti-CCP
CA 72-4	CA 24-2
SAA	CA-50
CRP	Total B-hCG
HBP	HS-CRP
PTH	G-17
HBsAg*	ACTH
HBsAb*	RENIN
HBeAb*	
HBeAg*	
HBcAb*	
TP*	
HCV*	
HIV*	
Toxo IgM*	
Toxo IgG*	
CMV IgM*	
CMV IgG*	
Rubella IgM*	
Rubella IgG*	

Biogenix Inc. Pvt. Ltd.
B-19/A, S.I.L Ancillary Estate,
Amausi Industrial Area, Nadarganj,
Lucknow -226008
Contact : 18008891125
Web : www.biogenix.in
E-mail : info@biogenix.in

