

Menu

Items

Hepatitis B

- HBsAg
- Anti-HBs
- HBeAg
- Anti-HBe
- Anti-HBc
- Anti-HBc IgM
- HBV PreS1-Ag

Infectious disease

- Anti-TP
- Anti-HCV
- Anti-HIV
- HAV IgM
- HEV IgG
- HEV IgM
- HIV Ag/Ab Combo

TORCH

- CMV IgM
- HSV-1 IgM
- HSV-2 IgM
- Rubella IgM
- Toxo IgM
- CMV IgG
- HSV-1 IgG
- HSV-2 IgG
- Rubella IgG
- Toxo IgG

Thyroid

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

Growth

- IGF-1
- HGH

Fertility

- E2
- PRL
- Testosterone
- LH
- FSH
- PRG
- β-hCG
- DHEA-S
- SHBG
- 17 α - OHP

Hypertension

- Cortisol
- ACTH
- Aldosterone
- Renin
- Angiotensin II

Tumor marker

- AFP
- CEA
- CA50
- CA125
- CA15-3
- CA19-9
- β 2-Microglobulin
- CA72-4
- SCCA
- NSE
- CYFRA21-1
- tPSA
- fPSA
- HE4
- CA242
- Pepsinogen I
- Pepsinogen II
- ProGRP*

Diabetes

- Insulin
- C-Peptide

Bone Metabolism

- Osteocalcin
- Calcitonin
- 25-OH Vitamin D
- PTH

Hepatofibrosis

- Col IV
- PIIINP
- HA
- LN
- Cholylglycine

Cardiac markers

- CK-MB
- cTnI
- MYO
- NT-proBNP
- BNP *
- HS-cTnI*

Pre-Natal

- Free β -hCG
- P-AFP
- uE3 *
- PAPP-A *

Anemia

- Ferritin
- Folate
- Vitamin B12

RTI & other infection

- M. pneumoniae IgG *
- M. pneumoniae IgM *
- C. pneumoniae IgM *
- L. pneumophila IgM *
- Coxsackie B IgM*
- Enterovirus 71 IgM*
- Influenza A IgM*
- Influenza B IgM*
- RSV IgM*

Others

- hs-CRP
- PCT
- TB-IGRA
- AMH

INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

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AutoLumo A1000

AUTOMATIC CHEMILUMINESCENCE IMMUNOASSAY SYSTEM



Advantages

- ▶ Pipette Probe without Tips Consumption
- ▶ High Walkaway Capacity
- ▶ Large and Continuous Sample Reaction Vessel Loading System
- ▶ User-friendly Interface



AutoLumo A1000

Specifications

Throughput: up to 100T/H
Time to 1st result: approximate 20mins

Sample dilution factor: usually ≤ 50
Liquid level detection and clot detection
Anti-collision & warning for air suction and blocking supported

Substrate vial volume: 100 ml per bottle
Temperature: $42\text{ }^{\circ}\text{C} \pm 0.5\text{ }^{\circ}\text{C}$, constant heating
Substrate pipetting CV: $< 2\%$ at $50\text{ }\mu\text{l}$

Carry-over: $< 1\text{ ppm}$
Precision: $< 3\%$ ($5\text{ }\mu\text{l}$) and $< 1\%$ ($100\text{ }\mu\text{l}$)
Incubation temperature: $37\text{ }^{\circ}\text{C} \pm 0.5\text{ }^{\circ}\text{C}$
Reaction mode: 1 step and 2 steps

Size (W*D*H, mm): 1470*835*690
Weight: approximate 222 kg
Power supply: AC 100-240V, 50/60Hz, 1000VA
LIS communication: based on RS232 port



Sample Loading Module

Loading capacity of 100 samples per batch (5 samples per rack)
Continuous loading and offloading supported
Independent STAT Position available
Random access



Reagent Module

On-board refrigerated storage ($4\text{--}10\text{ }^{\circ}\text{C}$)
Up to 24 reagent positions available.
Reagents stability on board up to 28 days
Same reagent pack size with A2000 PLUS



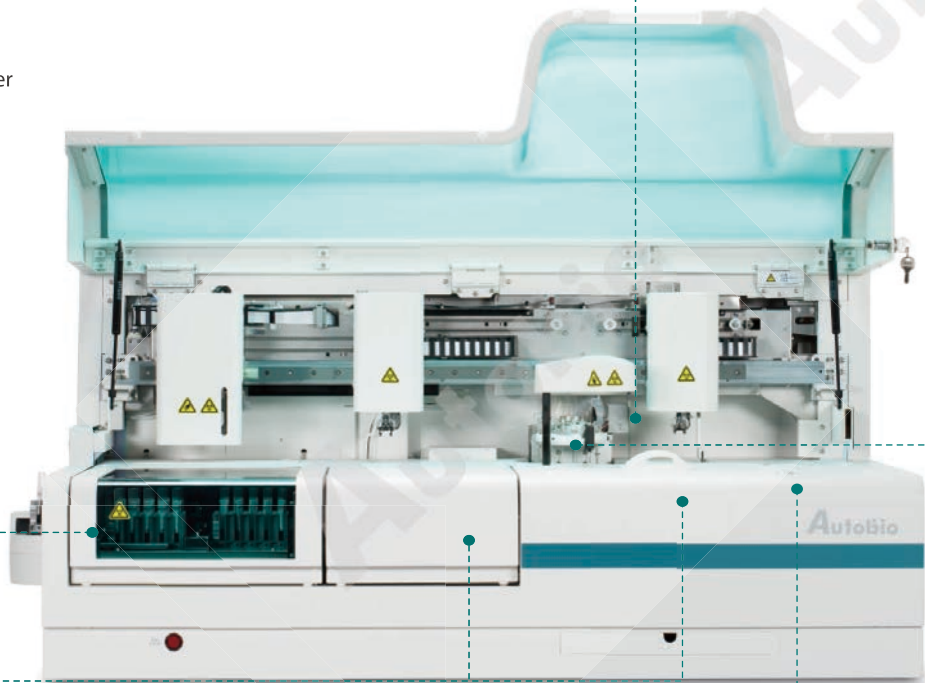
Fixed Pipette Probe Module

Precise syringe system ensures the low carryover
Intelligent liquid level and clot detection system
Teflon pipette without disposal tips
Vertical and horizontal collision protection
Sampling volume: $5\text{--}150\text{ }\mu\text{l}$
On board sample dilution : 1 : 1000



User-friendly Interface

Audible alarm and flashing beacon for insufficient consumables
Internal barcode scanner minimizes operator loading errors



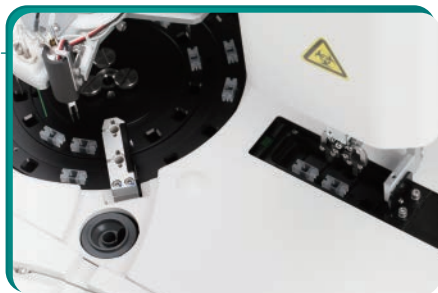
Washing Station

Independent expiration and inspiration channels for reaction vessel rinsing without contamination



Reaction Vessel Module

Up to 240 pcs per batch (80 pcs per rack)
Continuous loading and offloading supported



Reaction Module

Stepping mode with 72 positions