

AutoLumo *A2000* Plus
Automatic Luminescence Immunoassay Analyzer



Autobio Diagnostics Co., Ltd.

offers more than 600 in vitro diagnostic products including CLIA (microplate based CLIA and magnetic particle based CLIA), ELISA, POCT (Point of Care Test), Microbiology and Biochemistry. As an ISO9001 and EN ISO13485 manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a reliable partner. For details please visit en.autobio.com.cn. Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco&Tech Zone | Zheng zhou City | China 450016.

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AutoLumo A2000 Plus



Specification

Throughput: up to 200 T/H
Time to 1st result: 19 min
RV loader capacity: 1000 pcs
Sample loading capacity: 100

Sample pipette volume: 5-150 μ L
STAT available
Sample dilution factor: 10-100
Liquid level detection and clot detection

Onboard reagent capacity: 24 racks
Onboard reagent storage: 4-10°C
Real-time replacement of reagent (by appointment)
Reagent residue calculation: by the rest number left

Substrate: Substrate A+B
Substrate volume: 100 mL for each
Substrate pipetting volume: 50 μ L fixed, CV<2%
Substrate switching: 2 sets of substrates available
on board by automatic switch

Carry-over: <1 ppm
Incubation temperature: 37°C \pm 0.5°C
Reaction mode: 1 step and 2 steps

Size (W*D*H, mm): 1374*950*1200
Weight: approximate 390 kg
Power supply: AC 100-230 V, 50/60 Hz, 800 VA
Working temperature: 18-30°C
LIS communication: based on RS232 port



AutoLumo A2000 Plus

Change Your Lab with AutoLumo A2000 Plus

1 High Throughput

- Single module: 200 T/h
- Maximum 4 modules connection
- Independent STAT track



2 Convenient Consumables Management

- Fixed probe without disposal tips
- Independent RV
- Reagent and consumables continuous loading



3 Stable Results

- Innovative magnetic washing technology with low background
- Non-contact vibration system with low carry-over



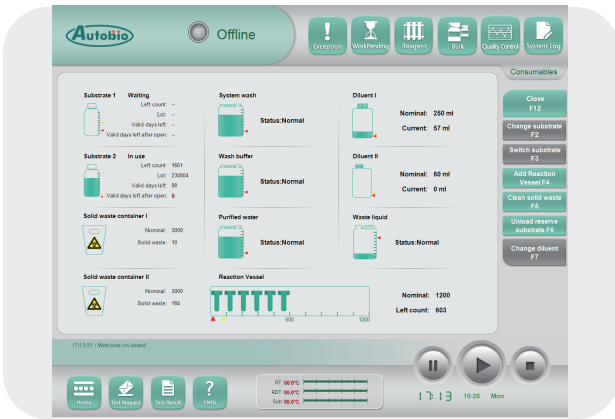
4 Comprehensive Menu

- Routine items covering thyroid, infectious diseases, fertility and etc
- Special items covering TB-IGRA, ToRCH, AMH, Pre-natal panels



5 Powerful Software

- Temperature and consumables monitoring service
- Edit, store, search and print function available





RV Loading Module

Independent reaction vesicle loading
Automatically supply Rv by "on-the-fly" chain
Intelligently detect the amount of RV



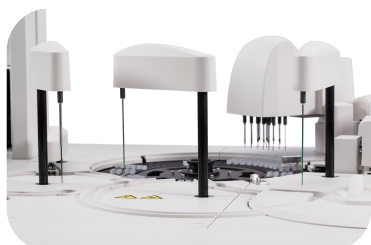
Incubation and Reaction Plate

192 reaction positions in 3 rings
Constant 37°C incubation



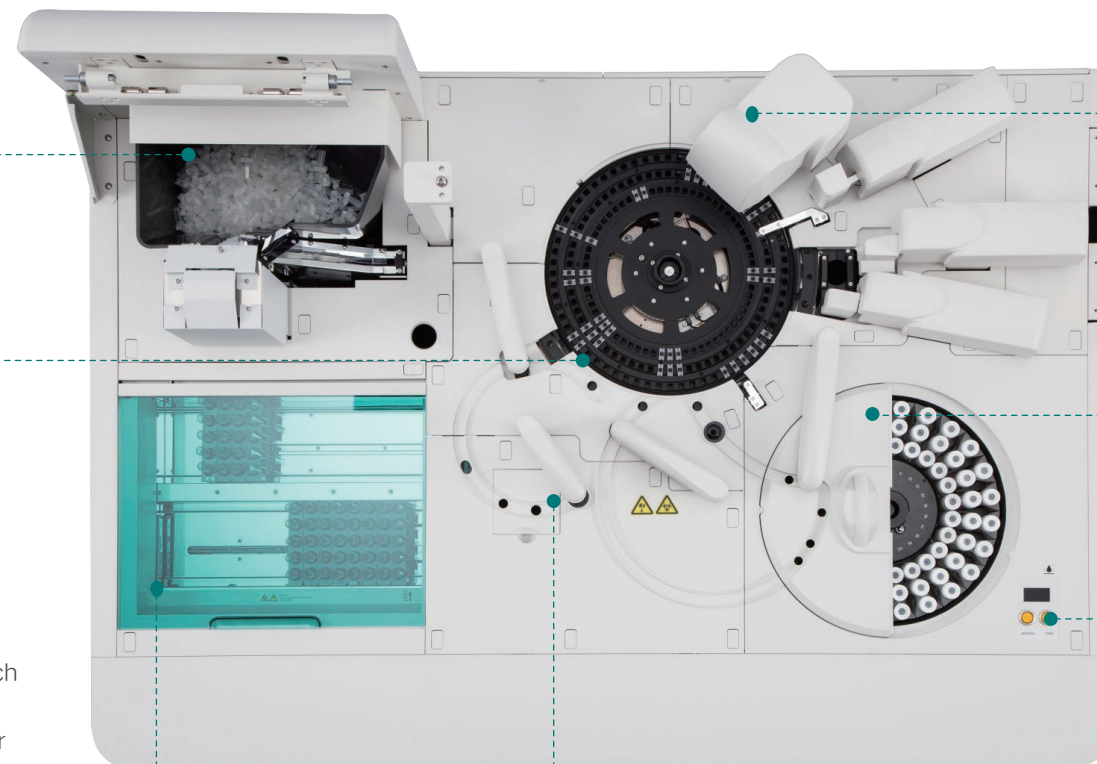
Sample Loading Module

5 sample positions per pack
Up to 100 samples loading capacity per batch
Priority position for STAT samples
Up to 200 tests processing capacity per hour



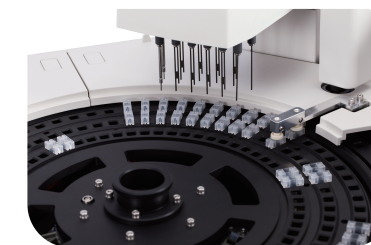
Fixed Pipette Probe

Excellent rinsing system with carry-over <1ppm
Liquid level and blood clot detection system
Sampling volume : 5 µL-150 µL On board sample dilution up to 100 times



Washing Station

12 Channels washing system
5 times magnetic separation cleaning



Reagent Module

Up to 24 reagent positions on board with refrigeration at 4-10°C
Continuously mixing the magnetic particle suspension
Dual substrate switched automatically

Online Reagent Changing

Onboard change of reagent by appointment without hatch-open



Cabins for Consumables and Wastes

Wash buffer, System wash, Distilled water, Liquid waste, Dual substrate



AutoLumo *A2000* Plus



Powerful Software Optimizes Your Laboratory

Characteristic Items

- Fully automatic CLIA microparticles system.
- Detect both latent TB infection and active TB patient.
- N/P/T three types culture provide reliable results.
- All components including culture strip inside the kit.
- The new generation of pre-treatment system - Sample release reagent, which allows loading into analyzer directly.

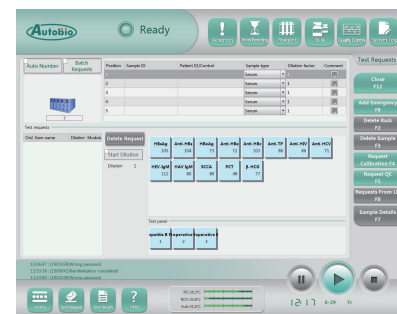
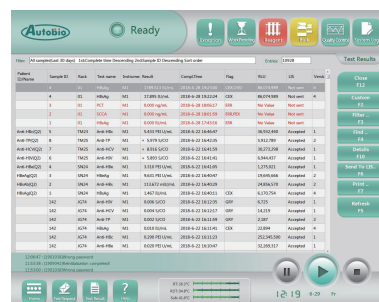
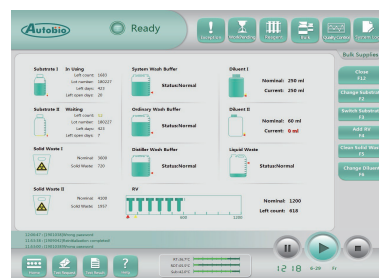
TB-IGRA

- Comprehensive test panel covering Toxo, RV, CMV, HSV-1, HSV-2 and B19.
- All items detect both IgM and IgG.
- 10 items provide quantitative results.
- All results are evaluated by WHO international standard, serocare standard panel and clinical samples.

ToRCH

Instrument Software

- Temperature and consumables monitoring service
- Edit, storage, search and print function
- Alarm of consumables insufficient



- Multi-Language interface, easy to use
- Various data processing mode
- Intelligent display system
- Perfect operation menus
- Intact QC management

- Abnormal test result display
- Instrument trouble position system
- Connection to LIS via COM

- 21 items provide various combinations of tumor detection
- Shelf-life up to 18 months with 28 days onboard stability
- All biomaterials are self-produced by Autobio reduces batch-to-batch variation
- Special items such as CA50, CA242, proGRP, HE4, PG I, PG II and etc.

Tumor Marker

►CLIA Microparticles

Tumor Markers	
AFP	CA242
CEA	HE4
tPSA	ProGRP
CA50	PIVKA-II
fPSA	G-17
CA125	HER-2/neu*
CA15-3	S100
CA19-9	Pepsinogen I
Ferritin	Pepsinogen II
NSE	CYFRA 21-1
SCCA	β2-Microglobulin
CA72-4	
Infectious Diseases	
Anti-HCV	HIV Ag/Ab Combo
HAV-IgM	Anti-TP
HEV-IgM	HP-IgG
HEV-IgG	HTLV-I/II*
Anti-HIV	
Endocrine Hormone	
LH	PRG
FSH	DHEA-S
PRL	SHBG
Testosterone	17α-OHP
E2	AMH
Inflammation Monitoring	
hs-CRP	D-Dimer
PCT	Lp-PLA2*
IL-6	
HBV	
HBsAg	Anti-HBc
Anti-HBs	HBV PreS1-Ag
HBeAg	Anti-HBc IgM
Anti-HBe	
ToRCH	
Toxo IgM	Toxo IgG
CMV IgM	CMV IgG
Rubella IgM	Rubella IgG
HSV-1 IgM	HSV-1 IgG
HSV-2 IgM	HSV-2 IgG
Diabetes	
Insulin	C-peptide

Hepato Fibrosis	
PIIINP	HA
Col IV	CG
LN	
Growth Hormone	
IGF-1	IGFBP-3
HGH	
Thyroid	
T3	Anti-TPO
T4	TG
TSH	PTH
FT3	rT3
FT4	TRAb
Anti-TG	
Hypertension	
Aldsterone	Renin
ACTH	Angiotensin II
Cortisol	
Pre-natal	
Free β-HCG	uE3
P-AFP	PAPP-A
β-HCG	Inhibin A*
Respiratory Disease	
M.pneumoniae IgM	L.pneumophila IgM
M.pneumoniae IgG	Enterovirus 71 IgM
C.pneumoniae IgM	Coxsackie B IgM
RSV IgM	Influenza A IgM
Adenovirus IgM	Influenza B IgM
C.pneumoniae IgG	
Cardiac Markers	
MYO	hs-cTnT
cTnI	BNP
CK-MB	H-FABP
NT-proBNP	
EBV	
VCA-IgA	VCA-IgG*
EA-IgA	NA-IgA*
EA-IgG*	NA-IgG*
VCA-IgM*	

Bone Metabolism	
Osteocalcin	25-OH Vitamin D
Calcitonin	PTH
Autoimmune Liver Disease	
Anti-gp210 IgG	AMA-M2 IgG
Anti-sp100 IgG	
Antiphospholipid Syndrome	
Anti-β2-GP1	Anti-CL
Anti-β2-GP1 IgA	Anti-CL IgA
Anti-β2-GP1 IgG	Anti-CL IgG
Anti-β2-GP1 IgM	Anti-CL IgM
Connective Tissue Disease	
ANA IgG	Anti-SS-A/Ro IgG
Anti-dsDNA IgG	Anti-Ro-52 IgG
Anti-SS-B IgG	Anti-Scl-70 IgG
Anti-Sm IgG	Anti-Jo-1 IgG
Anti-rib P IgG	Anti-nRNP/Sm IgG
Vasculitis	
Anti-PR3 IgG	Anti-MPO IgG
Anti-GBM IgG	
Rheumatoid Arthritis	
Anti-CCP IgG	RF IgG
RF	RF IgA
RF IgM	
Autoimmune Diabetes	
IAA	IA-2A
GADA	ICA
Anemia	
Folate	Ferritin
Vitamin B12	
Tuberculosis	
TB-IGRA	
Sample release reagent	
Allergy	
tIgE	Foods*
Inhalants*	

* Coming soon