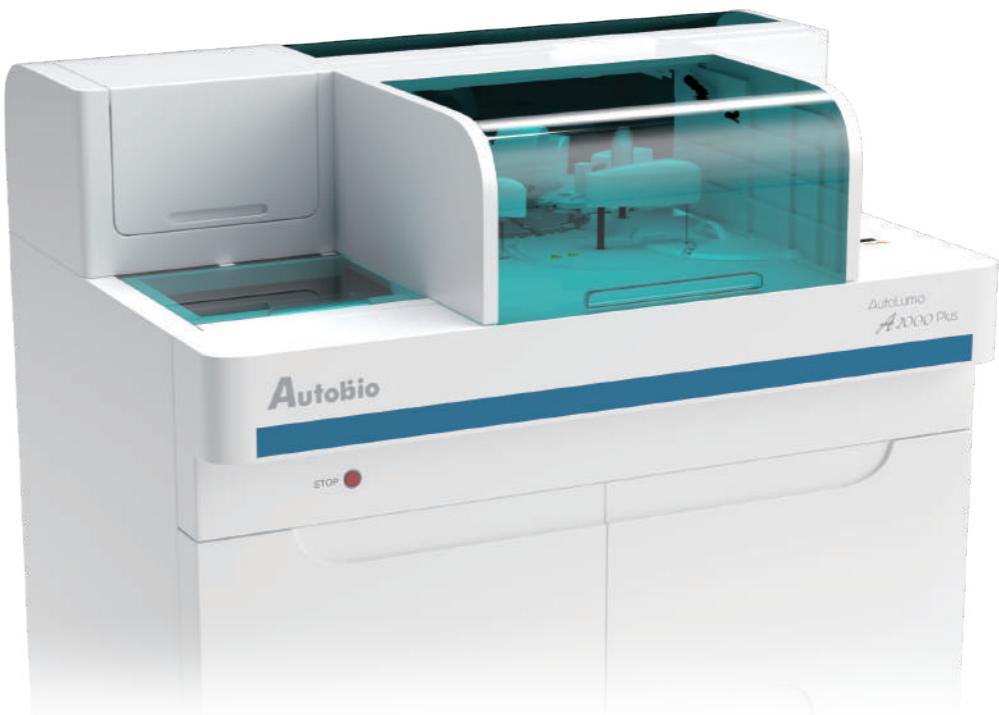


INNOVATION · MANUFACTURE · INTEGRATION · SERVICE

# 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](http://en.autobio.com.cn). Autobio Diagnostics Co., Ltd. | NO.87 Jingbei Yi Rd | National Eco & Tech Zone | Zhengzhou City | China 450016.

You can find us on:

Facebook: Autobio Diagnostics

LinkedIn: Autobio Diagnostics

YouTube Channel: Autobio Diagnostics

Email: [info@autobio-diagnostics.com](mailto:info@autobio-diagnostics.com)

WhatsApp: +86 185 9576 7835

Tel: +86 371 6200 7036



# AutoLumo A2000 Plus



## Specification

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

Sample pipette volume: 5-150 µL  
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 µL fixed, CV<2%  
Substrate switching: 2 sets of substrates available  
on board by automatic switch

Carry-over: <1 ppm  
Incubation temperature: 37°C ± 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 vesse loading  
Automatically supply Rv by "on -the -fly" chain  
Intelligently detect the amount of RV



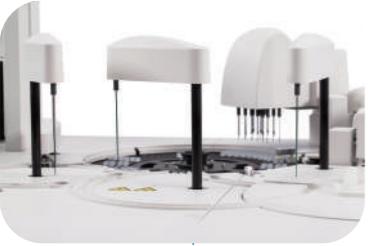
#### Incubation and Reaction Plate

192 reaction positions in 3 rings  
Constant 37°C incubation



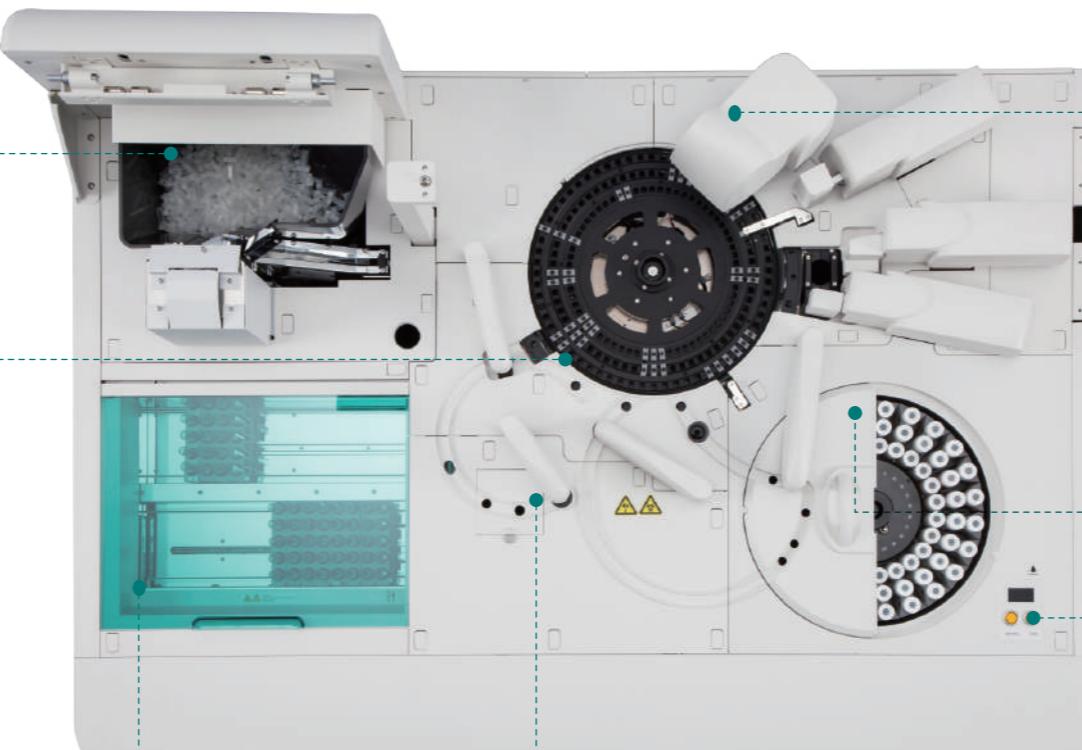
#### Sample Loading Module

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 coagulation 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

Ordinary wash, System wash, Distilled water , Liquid waste,Dual substrate



# AutoLumo *A*2000 Plus





## Powerful Software Optimizes Your Laboratory

### 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

### 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.

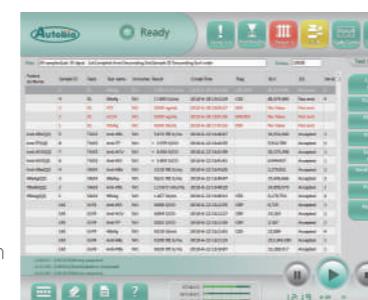
### TB-IGRA

- Comprehensive test panel covering Toxo, RV, CMV, HSV-1 and HSV-2.
- 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

- 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

Autobio  
Product List

Tumor Markers		Hepato Fibrosis		Autoimmune Liver Disease	
AFP	CA242	PIIINP	HA	Anti-gp210 IgG	AMA-M2 IgG
CEA	HE4	Col IV	CG	Anti-sp100 IgG	
tPSA	ProGRP	LN		<b>Antiphospholipid Syndrome</b>	
CA50	PIVKA-II		<b>Growth Hormone</b>		Anti-β 2-GP1
fPSA	G-17	IGF-1	IGFBP-3	Anti-β 2-GP1 IgA	Anti-CL IgA
CA125	HER-2/neu*	HGH		Anti-β 2-GP1 IgG	Anti-CL IgG
CA15-3	S100*		<b>Thyroid</b>		Anti-β 2-GP1 IgM
CA19-9	Pepsinogen I	T3	Anti-TPO	Anti-CL IgM	Anti-CL IgM
Ferritin	Pepsinogen II	T4	TG	ANA IgG	Anti-SS-A/Ro IgG
NSE	CYFRA 21-1	TSH	PTH	Anti-dsDNA IgG	Anti-Ro-52 IgG
SCCA	β 2-Microglobulin	FT3	rT3	Anti-SS-B IgG	Anti-Scl-70 IgG
CA72-4		FT4	TRAb	Anti-Sm IgG	Anti-Jo-1 IgG
<b>Infectious Diseases</b>		Anti-TG		Anti-rib P IgG	Anti-nRNP/Sm IgG
Anti-HCV	HP-IgG	<b>Hypertension</b>		Anti-rib P IgG	Anti-nRNP/Sm IgG
HAV-IgM	Anti-HTLV*	Aldosterone	Renin	M.pneumoniae IgM	L.pneumophila IgM
HEV-IgM	VCA-IgA*	ACTH	Angiotensin II	M.pneumoniae IgG	Enterovirus 71 IgM
HEV-IgG	EA-IgA*	Cortisol		C.pneumoniae IgM	Coxsackie B IgM
Anti-HIV	VCA-IgM*		RSV IgM		Influenza A IgM
HIV Ag/Ab Combo	NA1-IgA*	Free β -HCG	uE3	Adenovirus IgM	Influenza B IgM
Anti-TP	EA-IgG*	P- AFP	PAPP-A	<b>Rheumatoid Arthritis</b>	
<b>Endocrine Hormone</b>		β -HCG	Inhibin A*	Anti-CCP IgG	RF IgG
LH	PRG	<b>Vasculitis</b>		RF	RF IgA
FSH	DHEA-S	Anti-PR3 IgG	Anti-MPO IgG	RF IgM	
PRL	SHBG	<b>Autoimmune Diabetes</b>			
Testosterone	17 α-OHP	<b>Cardiac Markers</b>		IAA	IA-2A
E2	AMH	MYO	hs-cTnT	GADA	ICA
<b>Inflammation Monitoring</b>		cTnl	BNP	<b>Anemia</b>	
hs-CRP	D-Dimer	CK-MB	H-FABP	Folate	Ferritin
PCT	Lp-PLA2*	NT-proBNP		Vitamin B12	
IL-6		<b>Diabetes</b>		<b>Tuberculosis</b>	
<b>HBV</b>		Insulin	C-peptide	TB-IGRA	
HBsAg	Anti-HBc	<b>Bone Metabolism</b>		<b>Allergy</b>	
Anti-HBs	HBV PreS1-Ag	Osteocalcin		tIgE	
HBeAg	Anti-HBc IgM	Calcitonin			
Anti-HBe		25-OH Vitamin D			
<b>ToRCH</b>		PTH			
Toxo IgM	Toxo IgG				
CMV IgM	CMV IgG				
Rubella IgM	Rubella IgG				
HSV-1 IgM	HSV-1 IgG				
HSV-2 IgM	HSV-2 IgG				

\*Coming Soon