Autobio Diagnostics Co., Ltd.
offers more than 400 in vitro diagnostic products including CLIA (microplate based and magnetic particle based),
ELISA, POCT (Point of Care Test), Microbiology and Biochemistry. As an ISO9001, EN ISO13485 and GMP certified
manufacturer, Autobio supplies high quality products through its well established sales network and is renowned as a
reliable partner. For details please visit www.autobio.com.cn

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AutoLumo A2000 Plus
AUTOMATIC CHEMILUMINESCENCE IMMUNOASSAY SYSTEM
AutoLumo A2000 Plus

Specification

Throughput: up to 200T/H
Time to 1st result: approximate 20 mins
RV loader capacity: 1000 pcs
Sample loading capacity: 100
Sample pipette volume: 5-150ul
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: 100ml for each
Substrate pipetting volume: 50ul fixed, CV<2%
Substrate switching: 2 sets of substrates available on board by automatic switch

Carry-over: <1ppm
Precision: <3%(5ul) and < 1% (20ul)
Incubation temperature: 37°C ± 0.5°C
Reaction mode: 1 step and 2 steps
Size (W*D*H, mm): 1374*950*1200
Weight: approximate 390kg
Power supply: AC 100-240V, 50/60Hz, 800VA
Working temperature: 18-30°C
LIS communication: based on RS232 port
**AutoLumo A2000 Plus**

**RV Loading Module**
- Independent reaction vessel
- Up to 1000 pcs per batch with continuous 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 make carry-over <1ppm
- Liquid-level and blood coagulation detection system
- Sampling volume: 5ul-150ul
- On-board sample dilution up to 100 times

**Washing Station**
- 12 lines washing system
- 6 times magnetic separation cleaning

**Reagent Module**
- Up to 24 reagent positions on board with refrigeration at 4-10°C
- Continuous mixing the magnetic particle suspension
- Dual substrates switched automatically

**Online Reagent Changing**
- Onboard change for reagent by appointment without hatch-open

**Cabins for Consumables and Wastes**
- ordinary wash, system wash, distilled wash, liquid waste, dual substrates

One choice for more convenience
Powerful Software Optimizes Your Laboratory

Instrument Software

- Multi-Language interface, easy to use
- Various data processing mode
- Intelligent display system
- Perfect operation menus
- Intact QC management
- Temperature and consumables monitoring service
- Edit, storage, search and print function
- Alarm of consumables insufficient
- Abnormal test result display
- Instrument trouble position system
- Connection to LIS via COM

Menu

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

- TORCH
- CMV-IgM
- HSV-1IgM
- 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
- PTH
- PTH*

- Growth
- IGF-1
- HGH

- Hypertension
- Cortisol
- ACTH
- Aldosterone
- Renin
- Angiotensin II

- Tumor marker
- AFP
- CEA
- CA50
- CA125
- CA15-3
- CA19-9
- j2-MG
- CA72-4
- SCCA
- NSE
- CYFRA21-1
- PSA
- IPSA
- HE4
- CA125*
- PGI*
- PGIII*
- ProGRP*

- Diabetes
- Insulin
- C-Peptide

- Bone Metabolism
- DCT *
- CT *
- 25OH-VD

- Hepatofibrosis
- E-I
- P-LN
- HA
- ANCA

- Cardiac markers
- CK-MB
- cTn
- MYD
- NT-proBNP
- BNP
- HS-cTnl*

- Pre-Natal
- AFP
- PAPP-A
- hCG

- Anemia
- Ferr
- FA
- VBG

- RTI & other Infection
- MP-IgM *
- CP-IgM *
- LP-IgM *
- RSV-IgM *
- ADV-IgM *
- MP-IgG *
- EV7-IgG *
- COX-IgG *
- Flu-A-IgM *
- Flu-B-IgM *
- PIV-IgM *

- Others
- HSPCr
- PCT
- DHEA
- SHBG
- T+CH-P
- IGRA
- AMH

* coming soon