



Autolumo *A2000 plus*

AUTOMATED CHEMILUMINESCENCE IMMUNOASSAY SYSTEM

One Choice for More Conveniences...

www.autobio-diagnostics.com

Autobio Diagnostics Co., Ltd.

offers more than 200 in vitro diagnostic products including CLIA (microplate and magnetic particle based), ELISA, POCT (Point of Care Test), Microbiology, Instruments. As an ISO 9001, EN ISO 13485 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-diagnostics.com.

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Autolumo A2000 plus



1 Specification

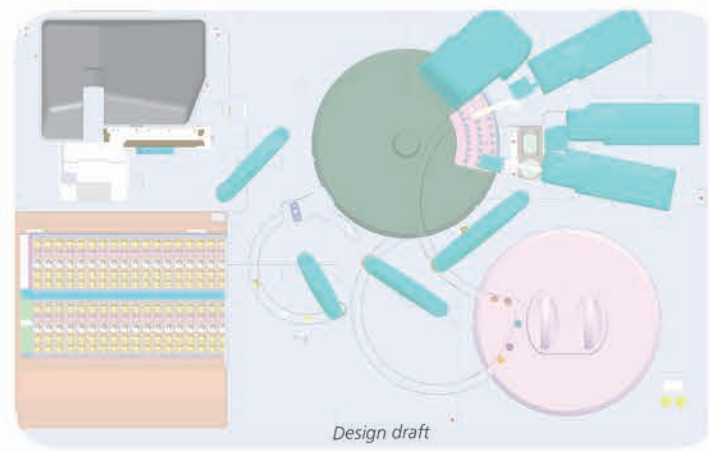
- Throughput :up to 200T/h
- Sample type: serum, plasma, urine, etc.
- Time to 1st result: approximately 20 mins
- Sample loading capacity: 100 (5 sample position per rack, 20 racks loading at the same time)
- Sample tube specification: 13 or 16 mm(diameter)
75 or 100mm(height)
- Carry over: < 1ppm
- Sample pipette volume:5-150ul
- Precision: <3% (5ul) and <1% (20uL)
- Sample dilution factor: 10-100
- Reagent rack:3 positions for reagent
- On-board reagent capacity: 24 racks
- On-board reagent storage: 4-10 °C
- Pipetting volume: R1 (microbeads, 20ul fixed, CV<2%)
R3 (Conjugate, 50-150uL CV<1%)
R4 (50-150uL CV<1%)
- Substrate: Substrate A+B
- Substrate volume: 100mL for each
- Substrate pipette volume: 50uL fixed, CV<2%
- RV loader capacity:1000 pcs
- Incubation temperature:37 °C ±0.5 °C
- Reaction mode: 1-step and 2-step
- LIS communication based on RS232 port

2 Function

- STAT
- On-board mixing for microbeads (R1)
- Touch-screen supported(optional)
- Barcode scanning
- Liquid level detection and clot detection
- Real-time replacement of reagent(by appointment)
- Reagent residue calculation(by the test number left)
- Substrate switching: 2 sets of substrate available on-board automatically
- Alarm & Warning
- LIS-connection

3 Size and weight

- Size (W*D*H, mm): 1374*950*1200
- Weight: approximately 390kg
- Power supply: AC 100-240V, 50/60Hz,800VA
- Working temperature: 18-30 °C



Combine sophisticated technology and
high performance
Quickly and efficiently to provide the
test result
Flexible and reliable

1 Streamlined sample loading

- Up to 100 samples(continuous loading)
- Intelligent barcode scan system
- Throughput: up to 200 per hour



2 Automated RV loading

- RV Loading system
- Continuous loading system
- Large volumes capacity of RV
- Amount of RV detected intelligently
- Real-time supply of RV automatically



- Excellent rinsing system
- Sensitive liquid-level detection probe
- Blood coagulation(Hemolysis&Turbidity)
- Detection technology
- Sampling volume:5uL-150uL
- High sampling precision
- Automatic on-board sample dilution



3 Multi-functional Reagent Module

- 24 reagents on-board
- Random access
- Automatic reagent bar-code scanning
- Refrigeration at 4-10℃
- Reagent replacement by online appointment
- Amount of reagent calculated automatically



4 Advanced Assay Processing System

- 192 reaction position
- Combination test of one-step and two-step
- Double substrate switching automatically
- Substrate heating automatically
- Constant 37℃ incubation
- Excellent washing system





Powerful Software
optimizes
your laboratory

Menu

Items

Hepatitis B

HBsAg
HBsAb
HBeAg
HBeAb
HBcAb
HBc-IgM

Infectious disease

Pre-S1
Anti-TP
Anti-HCV
Anti-HIV
HAV-IgM
HEV-IgG
HEV-IgM
CMV-IgM

TORCH

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

Thyroid

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

Fertility

PTH *
Estradiol *
Prolactin *
Testosterone *

Diabetes

LH *
FSH *
Progesterone *
 β -HCG
Insulin *
C-Peptide *

Hypertension

Tumor marker

Cortisol *
ACTH *
Aldosterone *
Renin *
Angiotensin II *
AFP
CEA
PSA
f-PSA
CA50
CA125
CA15-3
CA19-9
Ferr
 β 2-MG
CA72-4
SCCA
NSE
CYFRA21-1

Hepatofibrosis

Growth

Cardiac markers

Down's syndrome

Others

C IV
PIIINP
HA
LN
IGF-1
HGH
CK-MB
cTnI
MYO
NT-proBNP
f- β -HCG
P-AFP
uE3 *
PAPP-A
HS-CRP
PCT
DHEA
SHBG
17 α -OH-P

One choice
for more conveniences

Instrument Software

- Multi-Language interface
- Various data processing mode
- Intelligent display system
- Easy to use
- QC management

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



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

