

Technical Parameters

Basic Performance

Throughput: up to 300 tests/hour/unit;
Calibration: 2 points and multiple points for calibration;
Screen: 22" LCD touch screen;
Wireless operation: Knock-down mobile tablet PC;
Extension: Capable to be connected with up to 4 modules
such as chemistry analyzer and CLIA analyzer (same brand);
Compatibility: Capable to be seamlessly connected with TLA.

Sample Module

Sample tube: Microsample cup, original vacutainer;
Sample probe washing method : Dual washing;
Sample probe carry-over: ≤ 0.1 PPM .

Track Module

Sample loading: Rack type loading, non-stop recycle loading;
Loading track: Rear 3 tracks, emergency priority;
Up to 250 sample positions.

Reagent Module

Reagent position: 30 positions;
Reagent disc temperature: 2-8 °C , independent
power control;
Mixing type: Ultrasonic mixing system;
Reagent pack: Multi-layer coating technology.

Reaction Module

Reaction cup: Bulk loading ≥ 2000 pcs per time;
Incubator temp: $37^{\circ}\text{C} \pm 0.1^{\circ}\text{C}$;
Mixing technology: Contactless ultrasonic vortex mixing;
Magnetic bead isolation: multiple magnetic bead isolation
washing technology;
Biosafety: After detection, liquid/solid waste isolation;
System carryover: < 10 PPM .

LA3000

AUTOMATIC CHEMILUMINESCENCE IMMUNOASSAY ANALYZER



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LA3000 Automatic Chemiluminescence Immunoassay Analyzer



-  Rack type loading , rear 3 tracks , emergency priority
-  ALP-labeled glow-type chemiluminescence
-  30 reagent positions per module , 2 -8 ° C storage temperature

-  Throughput: up to 300 tests/hour per module
-  Bulk loading ≥ 2000 RVs per time
-  Up to 250 sample positions

CORE ADVANTAGES



Contactless Ultrasonic Mixing Technology

- More fully, more evenly mixing
- No cross contamination
- No mechanical failure caused by mechanical shock mixing



Patented Dual Cleaning Technology

- Dual washing for sample probe and reagent probe
 - No carryover
- Patent No. ZL2019 1 0294705.7



Multi-layer Coating Technology

- Direct loading without manual uncapping
- Free from contamination from uncapping
- Avoid reagent volatilization, effectively ensuring reagent stability



Liquid/Solid Waste Isolation Technology

- Isolate liquid and solid waste for discarding after reaction
- Effectively improve biosafety



Multiple Magnetic Bead Isolation Technology

- Separated magnetic bead isolation disc, improving test efficiency
- Multiple magnetic bead isolation cleaning, improving test accuracy



Intelligent Extension



LA3000 Modular Design

Capable to be connected with multiple modules
Flexible for different application scenarios



Test Menu

Thyroid
TSH
FT4
FT3
T4
T3
TGAb
TPOAb
TG
TRAb
CT
rT3
Cytokines
IL-1β
IL-2R
IL-2
IL-4
IL-5
IL-6
IL-8
IL-10
IL-12p70
IL-17A
IL-17F
IL-18
IL-22
TNF-α
IFN-γ
IFN-α
Cardiac
hs-cTnI
MYO
CK-Mb(mass)
BNP
NT-proBNP
hs-cTnT
MPO
St2
Infectious diseases
Hbs Ag
Anti-HBs
Hbe Ag
Anti-HBe
Anti-HBc
Anti-HCV
HIV combi
Syphilis
HBV PreS1Ag
Anti-HEV IgG
Diabetes
Insulin
C-peptide-Serum

Hormones
Tβ-hCG
E2
FSH
LH
Prolactin(PRL)
Progesterone(PRGE)
Testosterone
Infection markers
PCT
SAA
Tumor markers
AFP
CEA
CA 125
CA 15-3
CA 19-9
CA 72-4
CA 50
CA 242
tPSA
fPSA
CYFRA21-1
Ferritin
HE4
NSE
proGRP
SCC
PG-I
PG-II
G-17
β2-MG
TIMP-1
S100
PACP
TPS
KL-6
Gp73
VEGF
Tk1
PIVKA II
Metabolism
PTH
25-OH Vitamin D
hGH
Anemia
Ferritin
Vb12
FA
Rheumatoid Arthritis
Anti-CCP

Prenatal Screening
AFP
Tβ-hCG
uE3
Inhibin A
PAPP-A
Infertility
AsAb-IgM
AsAb-IgG
AoAb-IgM
AoAb-IgG
EMAb-IgM
EMAb-IgG
ACAb-IgM
ACAb-IgG
Inhibin A
Inhibin B
AMH
ZPAb-IgG
ZPAb-IgM
TA-Ab
HCG-Ab
ACAb-IgA
ACAb-IgA/G/M
β2-GP1-IgA
β2-GP1-IgG
β2-GP1-IgM
β2-GP1-IgA/G/M
Bone Metabolism
BGP
β-CTX
Total P1NP
BAP
PTH
25-OH Vitamin D
CT
hGH
Thrombus
D-Dimer
FDP
TAT
PIC
tPAIC
TM
Membranous Nephropathy
C1q
PLA2R
THSD7A
IgG4-RD
IgG4