



SPECIFICATIONS

General Information

Throughput	Up to 300 tests/hour
Time to first result	12 minutes
Detection principle	Magnetic particle-based direct Chemiluminescence
Chemiluminescence label	Acridinium Ester
Sample/reagent probe	Two dedicated probes, horizontal and vertical collision protection
Auto-detection function	Liquid level, clot detection

Sample Supply System

Loading capacity	5 samples per rack,140 sample positions including 15 STAT positions
Sample volume	5 µL-150 µL/test
Reaction vessels loader capacity	2000 reaction vessels reserve for continuous loading

Reagent System

Reagent position	30 positions with on-board refrigeration
Reagent carousel temperature	2-8°C
Reagent detection	Reagent level tracking
Reagent pack	2 x 50 tests per kit

Reaction Carousel

Capacity	230 reaction vessels
Incubation temperature	37.0 °C ± 0.3 °C , with a fluctuation of 0.1 °C
Mixing system	Non-contact eccentric vortex mixer

Magnetic Separation System

Washing method	4-step magnetic separation
Temperature	37.0 °C ± 0.3 °C , with a fluctuation of 0.1 °C

Operating Conditions

Power supply	100-240 V, 50/60 Hz
Power consumption	2200 VA
Temperature	10-30°C
Ambient humidity	20%-70% RH
Atmospheric pressure	75-106 kPa
Dimensions	1470 * 950 * 1410mm (L*W*H)
Weight	380 kg

Local Distributor:



P/N: ENG-C012-202402



Stock code
SSE: 688575

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YHLO

iFlash 3000



CHEMILUMINESCENCE
IMMUNOASSAY ANALYZER

iFlash 3000

Chemiluminescence Immunoassay Analyzer



Advanced CLIA Technology

- Acridinium Ester label has high detection sensitivity
- Little impact on antibody/antigen reaction



High Efficiency Magnetic-particle Immunoassay

- Micro magnetic beads have more surface area and higher sensitivity
- 4 step magnetic separation brings better washing effect, excellent repeatability



Automation within Reach!



Reliable Analysis

- High precision PMT module
- Intelligent design to minimize the cross contamination



Comprehensive Panels

- A lot of unique parameters on CLIA platform, e.g. AMH, Inhibin B, Inhibin A, Adiponectin, RA33 IgG, ZnT8A, etc.

Routine	Reproductive Health	Autoimmunity	Infection
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Thyroid

TSH
Anti-TPO
Anti-TSHR
Tg
Anti-Tg
FT3
FT4
T3
T4

Tumor Markers

PG I
PG II
AFP
CEA
CA 125
CA 15-3
CA 19-9
Free PSA
Total PSA
CYFRA 21-1
NSE
ProGRP **
SCC
CA242 **
HE4
CA50 **
CA72-4

Anemia

Ferritin
Folate
Vitamin B12

Cardiac Marker

CK-MB
Myoglobin
Troponin-I
BNP
NT-proBNP **
D-Dimer **

Bone Metabolism

25-OH Vitamin D
PTH

Metabolism

Insulin
C-Peptide
Cortisol
ACTH
Adiponectin

Liver Fibrosis

HA
PIIIPN-P
Col IV
Laminin

Fertility

AMH
Inhibin B
Inhibin A
LH
FSH
HCG
Prolactin
DHEA-S
Unconjugated Estriol
E2
PAPP-A
free β hCG
Progesterone
Testosterone
17 α -OH-P **
Androstenedione **
SHBG
hGH

TORCH

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

Anti-Phospholipid Syndrome

Cardiolipin IgG
Cardiolipin IgM
Cardiolipin IgA
Anti-Cardiolipin
 β 2-Glycoprotein I IgG
 β 2-Glycoprotein I IgA
 β 2-Glycoprotein I IgM
Anti- β 2-Glycoprotein I

Rheumatoid Arthritis

Anti-CCP
RF IgG
RF IgM
RF
RA33 IgG

Connective Tissue Disease

ANA
dsDNA IgG
Sm IgG
SS-A IgG
SS-B IgG
Scl-70 IgG
Jo-1 IgG
RNP70 IgG

Autoimmune Liver

SMA IgG
AMA-M2

Vasculitis Diagnostics

PR3 IgG
GBM IgG
MPO IgG

Autoimmune Diabetes

IA-2A
IAA
GADA
ICA
ZnT8A

Celiac Disease

tTg IgA
tTg IgG
DGP IgA
DGP IgG

Allergy

Total IgE **

EBV

EB VCA IgG
EB VCA IgM
EB VCA IgA
EB EA IgM
EB NA IgG
EB NA IgA

Respiratory Disease

Mycoplasma pn. IgG
Mycoplasma pn. IgM
Chlamydia pn. IgG
Chlamydia pn. IgM

SARS-CoV-2

2019-nCoV IgM
2019-nCoV IgG
2019-nCoV IgA
2019-nCoV Ag
2019-nCoV NAb
SARS-CoV-2 IgG-S

Blood Bank

Anti-TP (Syphilis)
Anti-HCV
HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
HIV Combo

Inflammation

PCT
IL-6 **

NEW

** Coming Soon

Features

- Acridinium Ester labeled direct chemiluminescence
- Up to 300 tests/hour
- 30 reagent cooling positions (2-8°C)
- 140 sample positions including 15 STAT positions
- Independent 4 step magnetic separation system
- Non-contact vortex mixer
- Efficient reaction vessel loading
- Unique test panels
- Easy maintenance

Reaction Vessel Loading Area

Reagent Probe

Incubation Area

Gripper

Sample Probe

Upper Lid

Reagent Carousel

Magnetic Separation System

Sample Delivery Module

Optical System

Pre-Trigger/Trigger Solution Tank
Solid Waste Container

Wash Buffer Tank



iFlash 3000

System Layout

Chemiluminescence Immunoassay Analyzer



Optimize Sample Loading System

140 samples positions including 15 STAT positions with random access
Unique sample rack design (5 samples/rack, 5 racks/tray) for easy handling of samples

Smart Software

User friendly interface
Real time monitoring of reagents and consumables
Smart result management

Unique Reaction Vessels Loading

Smart RV design to achieve automatic loading of vessels
2000 reaction vessels capacity
Accurate and rapid reaction vessel transport

iFlash 3000

Chemiluminescence Immunoassay Analyzer



Precise Aspiration System

Two dedicated probes for sample and reagent
Stainless probe with high pressure exterior & interior washing to minimize carry-over and cross contamination

Characterized Incubation Plate

230 incubation vessels capacity
Incubation temperature fluctuation within +/- 0.1°C

Comprehensive Reagent Panels

120+ parameters covering infectious, autoimmune, reproductive health and routine parameters
More parameters are under development

Special Vortex Mixer

Non-contact vortex mixer design eliminates the chance of cross contamination