

YHLO



iFlash 1800
Chemiluminescence
Immunoassay Analyzer

Consolidation for Automation

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Consolidation for Automation

iFlash 1800 is a bench-top solution tailored for clinical labs. With less outsourced samples, improved in-house controlled quality and higher throughput, iFlash 1800 has achieved better efficiency and reliability.



A CLIA system with better efficiency compared to its peers

- Compact design with 180 tests per hour maximum throughput, delivers more sample results per square meter.
- 1000 reaction vessels on-board, 50 sample positions and 20 reagent positions, ensure less restocking cycles.
- Continuous loading of samples, reagents and consumables provides less interruption of analytical phase.
- Reflex, auto dilution and auto rerun function can save time for lab technicians.

Reaction vessel loading container simplifies vessel loading process and reduces manual handling time.



Special RV array design allows for accurate reaction vessel placement and avoids potential blockage.



Independent reaction vessel gripper guarantees precise vessel handling.



High-capacity reagent carousel provides longer onboard reagent stability.



Non-contact vortex mixer design avoids liquid touching and eliminates the chance of cross contamination.



Reliable and consistent performance via state-of-art design

We paid attention to every detail when designing the iFlash 1800 analyzers and its reagents. We are dedicated to produce a reliable immunoassay system to the labs.



Consolidating various workstation on a CLIA platform for differential diagnosis

iFlash 1800 delivers unmatched, innovative and comprehensive product assortment for quick clinical diagnosis, including reproductive health, autoimmunity, diabetes, infectious diseases and other routine parameters.

- Comprehensive panel of 112 parameters: less analyzer, less sample splitting and better quality control within the lab.
- Unique parameters on CLIA platform ensures less outsourcing and consolidated results output.

iFlash Test Panels

Main Stream Hormonology

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

Anemia

Ferritin
Folate
Vitamin B12

Cardiac Markers

CK-MB
Myoglobin
Troponin-I
BNP

Bone Metabolism

25-OH Vitamin D
PTH

Metabolism

Insulin
C-Peptide
Cortisol
ACTH
Adiponectin

Liver Fibrosis

HA
PIIIPN-P
Col IV
Laminin

Reproductive Health

Fertility

AMH
Inhibin B
Inhibin A
LH
FSH
HCG
Prolactin
DHEA-S
Unconjugated Estriol
E2
PAPP-A
free β HCG
Progesterone
Testosterone

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

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

* Without CE

Autoimmunity

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

Infection

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

Blood Bank

Anti-TP
Anti-HCV *
HBsAg *
Anti-HBs *
HBeAg *
Anti-HBe *
Anti-HBc *
HIV Combo *

Inflammation

PCT

Novel Coronavirus

SARS-CoV-2 IgM
SARS-CoV-2 IgG



Specifications

General Information

Throughput	Up to 180 tests/hour
Fastest time to first result	12 minutes
Detection principle	Magnetic particle-based direct chemiluminescence
Chemiluminescence label	Acridinium Ester

Sample Supply System

Sample position	5 samples per rack, 50 sample positions with STAT function
Sample volume	5~150 μ L
Reaction vessels loader capacity	1000 reaction vessels reserve for continuous loading

Reagent System

Reagent position	20 positions with onboard refrigeration
Reagent carousel temperature	2-8°C
Reagent detection	Reagent level tracking
Reagent pack	2×50 tests per kit
Auto dilution	Maximum of 1:400

Reaction Carousel

Capacity	75 reaction vessels
Incubation temperature	37.0°C \pm 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 \pm 0.3°C, with a fluctuation of 0.1°C

Operating Conditions

Power supply	100~240 V, 50/60 Hz
Power consumption	1000 VA
Temperature	10~30°C
Ambient humidity	20%-70% RH
Physical dimensions	1030 mm (L) \times 750 mm (W) \times 710 mm (H)
Weight	150 kg

Local Distributor:

P/N: ENG-C003-202003



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