Routine

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

Reproductive Health

Fertility
AMH
Inhibin B
Inhibin A
LH
FSH
HCG
Prolactin
DHEA-S
Unconjugated Estriol
E2
PAPP-A
free βHCG
Progesterone
Testosterone
17α-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
β2-Glycoprotein I IgG
β2-Glycoprotein I IgA
β2-Glycoprotein I IgM
Anti-β2-Glycoprotein I

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

Celiac Disease
tTg IgA
tTg IgG
DGP IgA
DGP IgG

NEW

Allergy
Total IgE **

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

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 **

** Coming Soon

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 µL
Reaction vessels loader capacity	1000 reaction vessels reserve for continuous loading

Reagent System

Reagent position	20 positions with on-board 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 ± 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

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 * 750 * 710mm (L*W*H)
Weight	150 kg

Local Distributor:

YHLO

iFlash 1800

YHLO
iFlash 1800

CHEMILUMINESCENCE IMMUNOASSAY ANALYZER

Intelligent

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

Liberate

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

Flexible

Independent reaction vessel gripper guarantees precise vessel handling.

Efficiently

High-capacity reagent carousel allows more parameters to be tested at the same time.

Accurate

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

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.

iFlash 1800

Chemiluminescence Immunoassay Analyzer

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.

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 more than 120 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.

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.