

iFlash Test Panels

Main Stream Hormonology	Reproductive Health	Autoimmunity	Infection
Thyroid TSH Anti-TPO Anti-TSHR Tg Anti-Tg FT3 FT4 T3 T4	Fertility AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estriol E2 PAPP-A free β HCG Progesterone Testosterone	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	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
Tumor Markers PG I PG II AFP CEA CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1 NSE	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	Autoimmune Diabetes IA-2A IAA GADA ICA ZnT8A	
Anemia Ferritin Folate Vitamin B12	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		
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			

* Without CE

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 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 ± 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	1000 VA
Temperature	10~30°C
Ambient humidity	20%-70% RH
Physical dimensions	1030 mm (L) × 750 mm (W) × 710 mm (H)
Weight	150 kg

Local Distributor:

P/N: ENG-C003-202003

CE

TUV

TUV

YHLO

SHENZHEN YHLO BIOTECH CO., LTD.

Headquarter: Building 1, YHLO Biopark, Baolong 2nd Road, Baolong Subdistrict, Longgang District, 518116 Shenzhen, P.R.China

Tel: +86 755 26601910
Email: marketing@szyhlo.com
Website: www.szyhlo.com

YHLO



iFlash 1800
Chemiluminescence
Immunoassay Analyzer

Consolidation for Automation

iFlash 1800

Chemiluminescence Immunoassay Analyzer

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.



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.



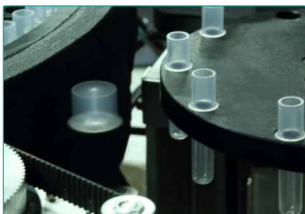
Independent reaction vessel gripper guarantees precise vessel handling.



High-capacity reagent carousel provides longer onboard reagent stability.



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



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.

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.

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.