



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 LOADING 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 pcs, with 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	50/100/150* tests per kit



REACTION SYSTEM

Incubation position	230 reaction vessels
Incubation temperature	37.0 °C ± 0.3 °C
Mixing system	Non-contact vortex mixer



MAGNETIC SEPARATION SYSTEM

Washing method	4-step magnetic separation
Temperature	37.0 °C ± 0.3 °C



OPERATING CONDITIONS

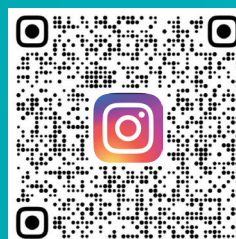
Power supply	100-240 V, 50/60 Hz
Power consumption	2200 VA
Temperature	10-30°C
Ambient humidity	20%-70% RH
Atmospheric pressure	75-106 kPa
Dimensions	1470 * 950 * 1410mm (L*W*H)
Weight	380 kg

Local Distributor:

P/N: ENG-i302-202503



* Availability may vary by region. Please confirm with your YHLO sales representative.



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YHLO

FULLY AUTOMATED

CHEMILUMINESCENCE IMMUNOASSAY ANALYZER

iFlash

3000



Cleared by
FDA
via 510(k)

iFlash 3000

Flexible

With STAT positions

Integrates with medium to large central laboratories

Support up to 4-module integration with iFlash 3000, iBC biochemistry series and iTLA system



Intelligent

Reflex, auto-dilution and auto-rerun functions

Real-time monitoring of reagents and consumables

Probes featured with collision prevention, and liquid level, empty aspiration and clot detection functions via capacitive sensors



Liberate

Capacity of 2000 RV with auto-replenishment system

Reagent carousel with automatic micro-magnetic bead mixing function

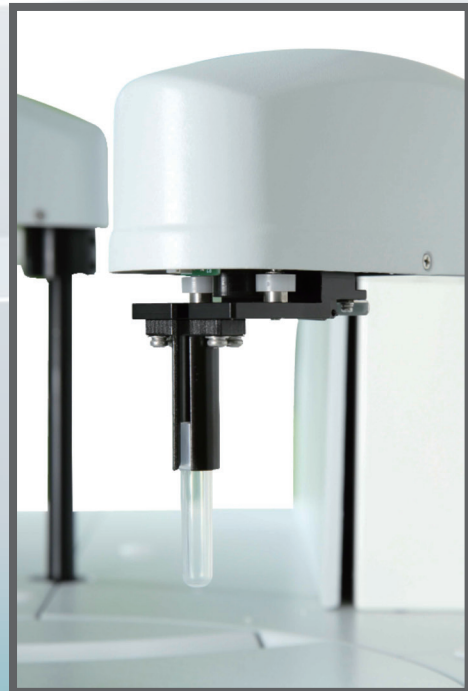
iFlash 3000

Stable

Array-type surrounding magnetic field design, precisely controls washing procedure for optimal repeatability

Non-contact vortex mixer, minimizing carry-over risk

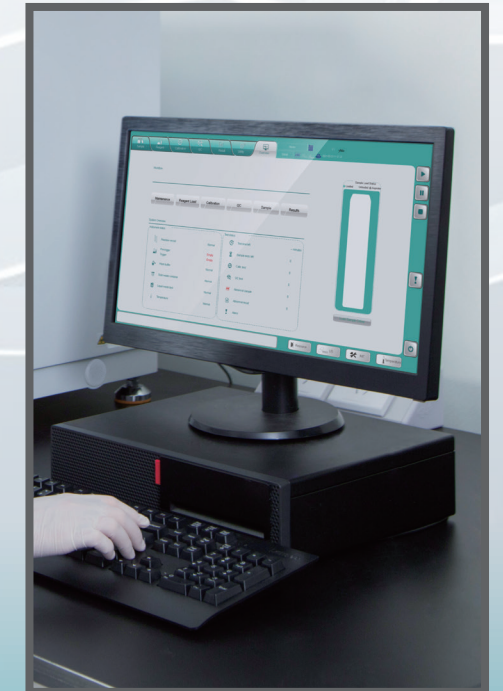
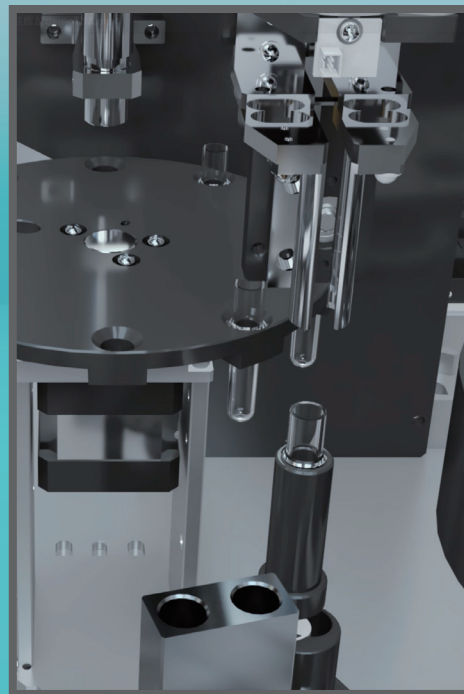
Automatic routine maintenance



Accurate

Temperature-controlled, incubation, magnetic separation and reagent carousels, fluctuations within $\pm 0.1^{\circ}\text{C}$

Probes with high-pressure inner & outer walls washing and precise aspiration with an accuracy of $\pm 0.5\ \mu\text{L}$



Harmonious

Compact, and user-friendly design adapt to diverse laboratory environments

Offers both concentrated and lyophilized* wash buffers for easy operation

PRODUCT SPECIFICATIONS

Throughput:

UP TO 300 TESTS 1 HOUR MODULE

Optional sample positions:

ASU: 140 ILOADER: 480

Integration:

UP TO 4 MODULES



High-Throughput CLIA Analyzer

- Simultaneous processing of large-scale test volume
- Fastest first result time: 12 min
- High space efficiency: 192 T/H/m²



Designed for Large Central Labs

- Large onboard capacity for consumables, extended walk away time
- Supports integration with iBC biochemistry series or iTLA total laboratory automation system

iFlash 3000

Chemiluminescence Immunoassay Analyzer

Routine		Reproductive Health	Autoimmunity	Infection
Tumor Marker PG I PG II AFP CEA CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1 NSE SCC HE4 CA72-4 Gastrin-17 ProGRP CA242 CA50**	Growth Hormone hGH IGF-1** IGFBP-3**	Fertility AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estradiol E2 PAPP-A free βhCG Progesterone Testosterone 17α-OH-P Androstenedione SHBG	Rheumatoid Arthritis Anti-CCP RF IgG RF IgM RF RA33 IgG	Blood Bank Anti-TP (Syphilis) Anti-HCV HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc HIV Combo
	Diabetes Insulin C-Peptide Adiponectin Glucagon**		Connective Tissue Disease ANA dsDNA IgG Sm IgG SS-A IgG SS-B IgG Scl-70 IgG Jo-1 IgG RNP70 IgG Rib-P0 IgG CenpB IgG PM-Scl IgG	
	Cardiac Marker CK-MB Myoglobin Troponin-I hs-cTnI BNP NT-proBNP D-Dimer		Autoimmune Liver SMA IgG AMA-M2	
	Thyroid T4 FT4 T3 FT3 TSH Tg Anti-Tg Anti-TPO Anti-TSHR Calcitonin**	Hypertension ACTH Cortisol Renin** Aldosterone**	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	Vasculitis Diagnostics PR3 IgG GBM IgG MPO IgG
Thrombosis Marker TAT** PIC** TM** t-PAIC** D-Dimer FDP**	Bone Metabolism 25-OH Vitamin D PTH Calcitonin** Osteocalcin**	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	Autoimmune Diabetes IA-2A IAA GADA ICA ZnT8A	EBV EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA
	Anemia Ferritin Folate Vitamin B12		Celiac Disease tTg IgA tTg IgG DGP IgA DGP IgG	
Liver Fibrosis HA PIIIPN-P Col IV Laminin	Allergy Total IgE	IgG Subclass IgG1 IgG2 IgG3 IgG4	Inflammation PCT IL-6 CRP**	

** Coming Soon