



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



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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

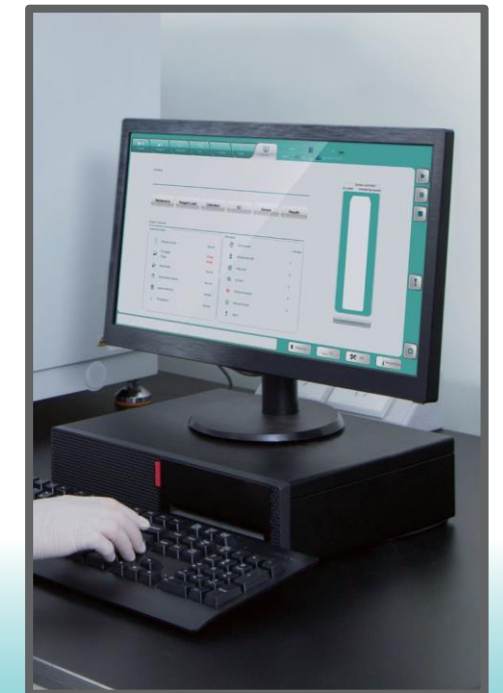
Automatic routine maintenance



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**	Fekility AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estriol E2 PAPP-A free BhCG Progesterone Testosterone 17α-OH-P Androstenedione SHBG	Rheumatoid Akhritis 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-cTnl 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**	Hypersention ACTH Cokisol Renin** Aldosteron**	Vasculitis Diagnostics PR3 IgG GBM IgG MPO IgG	Respiratory Disease Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM
Thrombosis Marker TAT** PIC** TM** t-PAIC** D-Dimer FDP**	Bone Metabolism 25-OH Vitamin D PTH Calcitonin** Osteocalcin**	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	EBV EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA
	Liver Fibrosis HA PIIIPN-P Col IV Laminin	Anti-Phospholipid Syndrome Cardiolipin IgG Cardiolipin IgM Cardiolipin IgA Anti-Cardiolipin B2-Glycoprotein I IgG B2-Glycoprotein I IgA B2-Glycoprotein I IgM Anti-B2-Glycoprotein I	Celiac Disease tTg IgA tTg IgG DGP IgA DGP IgG	
Anemia Ferritin Folate Vitamin B12			Allergy Total IgE	Inflammation PCT IL-6 CRP**
			IgG Subclass IgG1 IgG2 IgG3 IgG4	

** Coming Soon