

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 Estriol 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	Respiratory Disease Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM
	Bone Metabolism 25-OH Vitamin D PTH Calcitonin** Osteocalcin**		Autoimmune Diabetes IA-2A IAA GADA ICA ZnT8A	
Thrombosis Marker TAT** PIC** TM** t-PAIC** D-Dimer FDP**	Liver Fibrosis HA PIIIPN-P Col IV Laminin	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	Celiac Disease tTg IgA tTg IgG DGP IgA DGP IgG	EBV EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA
Anemia Ferritin Folate Vitamin B12			Allergy Total IgE	Inflammation PCT IL-6 CRP**
			IgG Subclass IgG1 IgG2 IgG3 IgG4	

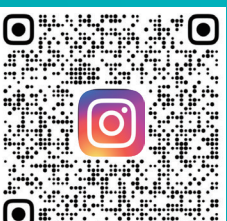
** Coming Soon

	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 LOADING SYSTEM
Sample position	5 samples per rack, 50 sample positions with STAT function
Sample volume	5-150 μL
Reaction vessels loader capacity	1000 pcs, with 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	50/100/150* tests per kit
Auto dilution	Maximum of 1:400
	REACTION SYSTEM
Incubation position	75 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
	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:	
P/N: ENG-1302-202503	
	
	
* Availability may vary by region. Please confirm with your YHLO sales representative.	

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CHEMILUMINESCENCE IMMUNOASSAY ANALYZER



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YHLO

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iFlash 1800



Flexible

With STAT positions

Integrates with laboratories handling small to medium-sized testing volumes

Intelligent

Reflex, auto-dilution and auto-rerun functions

Real-time monitoring of reagents and consumables

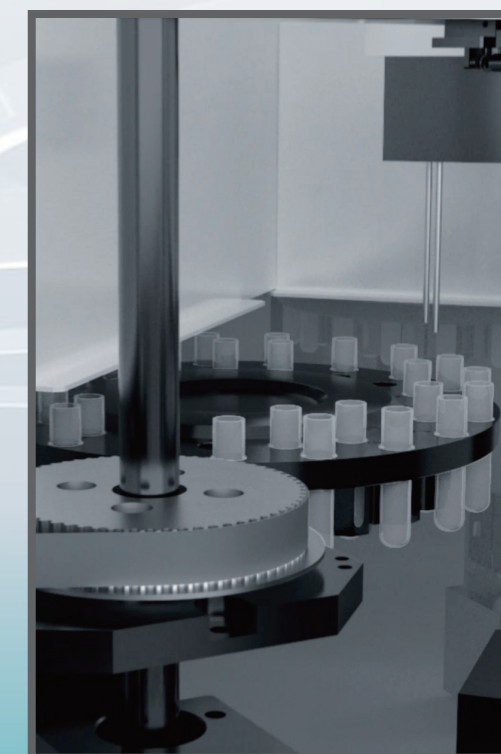
Probes featured with collision prevention, and liquid level, empty aspiration, and clot detection functions via capacitive sensors



Liberate

Capacity of 1000 RV with auto-replenishment system

Reagent carousel with automatic micro-magnetic bead mixing function



Stable

Patented magnetic separation technology— reducing micro-magnetic bead loss

Automatic routine maintenance



Harmonious

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

Offers both concentrated and lyophilized wash buffers for easy operation



Accurate

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

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