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	**Respiratory Disease** Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM
Thyroid T4 FT4 T3 FT3 TSH Tg Anti-Tg Anti-TPO Anti-TSHR Calcitonin**	**Hypersention** ACTH Cortisol Renin** Aldosteron**	**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	
	Bone Metabolism 25-OH Vitamin D PTH Calcitonin** Osteocalcin**		**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
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	
			Allergy Total IgE	
Anemia Ferritin Folate Vitamin B12			**IgG Subclass** IgG1 IgG2 IgG3 IgG4	**Inflammation** PCT IL-6 CRP**

** Coming Soon

GENERAL INFORMATION

Throughput	Up to 120 tests/hour
Fastest time to first result	13 minutes
Detection principle	Magnetic particle-based direct chemiluminescence
Chemiluminescence label	Acridinium Ester

SAMPLE LOADING SYSTEM

Sample position	16 sample positions with STAT function
Sample tube	Microcup and blood collecting tube
Sample volume	5-150 μL
Reaction vessels loader capacity	500 pcs, with continuous loading

REAGENT SYSTEM

Reagent position	15 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 (for valid test)

REACTION SYSTEM

Incubation position	48 reaction vessels
Incubation temperature	37.0°C ± 0.3°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	600 VA
Temperature	10-30°C
Ambient humidity	20%-85% RH (without condensation)
Physical dimensions	930 * 710 * 650mm (L*W*H)
Weight	120 kg
Atmospheric pressure	61.6 kPa-106.0 kPa

Local Distributor:

P/N: ENG-i302-202503

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

YHLO Stock code SSE: 688575

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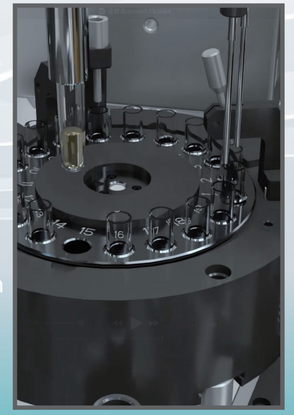
Bench-top!



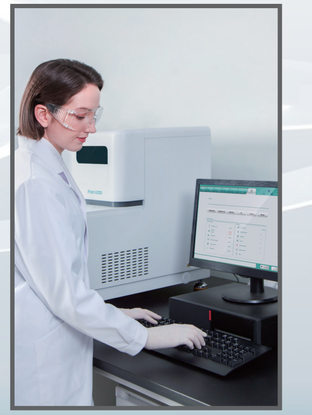


Stable

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

Non-contact vortex mixer, minimizing carry-over risk

Automatic routine maintenance



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





Harmonious

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

Offers both concentrated and lyophilized* wash buffers for easy operation

Liberate

Capacity of 500 RV with auto-replenishment system

Reagent carousel with automatic micro-magnetic bead mixing function

Accurate

Temperature-controlled, incubation, magnetic separation and reagent carousels, fluctuations within ±0.1°C

Probes with high-pressure inner and outer walls washing and precise aspiration with an accuracy of ±0.5 μL