

| Routine                                                                                                                                                                                      |                                                                                              | Reproductive Health                                                                                                                                                                                            | Autoimmunity                                                                                                                                                    | Infection                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Tumor Marker<br>PG I<br>PG II<br>AFP<br>CEA<br>CA 125<br>CA 15-3<br>CA 19-9<br>Free PSA<br>Total PSA<br>CYFRA 21-1<br>NSE<br>SCC<br>HE4<br>CA72-4<br>Gastrin-17<br>ProGRP<br>CA242<br>CA50** | Growth Hormone<br>hGH<br>IGF-1**<br>IGFBP-3**                                                | Fertility<br>AMH<br>Inhibin B<br>Inhibin A<br>LH<br>FSH<br>HCG<br>Prolactin<br>DHEA-S<br>Unconjugated Estriol E2<br>PAPP-A<br>free βhCG<br>Progesterone<br>Testosterone<br>17α-OH-P<br>Androstenedione<br>SHBG | Rheumatoid Arthritis<br>Anti-CCP<br>RF IgG<br>RF IgM<br>RF<br>RA33 IgG                                                                                          | Blood Bank<br>Anti-TP (Syphilis)<br>Anti-HCV<br>HBsAg<br>Anti-HBs<br>HBeAg<br>Anti-HBe<br>Anti-HBc<br>HIV Combo |
|                                                                                                                                                                                              | Diabetes<br>Insulin<br>C-Peptide<br>Adiponectin<br>Glucagon**                                |                                                                                                                                                                                                                | Connective Tissue Disease<br>ANA<br>dsDNA IgG<br>Sm IgG<br>SS-A IgG<br>SS-B IgG<br>Scl-70 IgG<br>Jo-1 IgG<br>RNP70 IgG<br>Rib-P0 IgG<br>CenpB IgG<br>PM-Scl IgG |                                                                                                                 |
|                                                                                                                                                                                              | Cardiac Marker<br>CK-MB<br>Myoglobin<br>Troponin-I<br>hs-cTnI<br>BNP<br>NT-proBNP<br>D-Dimer |                                                                                                                                                                                                                | Autoimmune Liver<br>SMA IgG<br>AMA-M2                                                                                                                           |                                                                                                                 |
| Thyroid<br>T4<br>FT4<br>T3<br>FT3<br>TSH<br>Tg<br>Anti-Tg<br>Anti-TPO<br>Anti-TSHR<br>Calcitonin**                                                                                           | Hypertension<br>ACTH<br>Cortisol<br>Renin**<br>Aldosterone**                                 | TORCH<br>Toxo IgG<br>Toxo IgM<br>CMV IgG<br>CMV IgM<br>HSV-1 IgG<br>HSV-2 IgG<br>HSV-1 IgM<br>HSV-2 IgM<br>Rubella IgG<br>Rubella IgM                                                                          | Vasculitis Diagnostics<br>PR3 IgG<br>GBM IgG<br>MPO IgG                                                                                                         | Respiratory Disease<br>Mycoplasma pn. IgG<br>Mycoplasma pn. IgM<br>Chlamydia pn. IgG<br>Chlamydia pn. IgM       |
|                                                                                                                                                                                              | Bone Metabolism<br>25-OH Vitamin D<br>PTH<br>Calcitonin**<br>Osteocalcin**                   |                                                                                                                                                                                                                | Autoimmune Diabetes<br>IA-2A<br>IAA<br>GADA<br>ICA<br>ZnT8A                                                                                                     |                                                                                                                 |
| Thrombosis Marker<br>TAT**<br>PIC**<br>TM**<br>t-PAIC**<br>D-Dimer<br>FDP**                                                                                                                  | Liver Fibrosis<br>HA<br>PIIIPN-P<br>Col IV<br>Laminin                                        | Anti-Phospholipid Syndrome<br>Cardiolipin IgG<br>Cardiolipin IgM<br>Cardiolipin IgA<br>Anti-Cardiolipin<br>β2-Glycoprotein I IgG<br>β2-Glycoprotein I IgA<br>β2-Glycoprotein I IgM<br>Anti-β2-Glycoprotein I   | Celiac Disease<br>tTg IgA<br>tTg IgG<br>DGP IgA<br>DGP IgG                                                                                                      | EBV<br>EB VCA IgG<br>EB VCA IgM<br>EB VCA IgA<br>EB EA IgM<br>EB NA IgG<br>EB NA IgA                            |
|                                                                                                                                                                                              |                                                                                              |                                                                                                                                                                                                                | Allergy<br>Total IgE                                                                                                                                            | Inflammation<br>PCT<br>IL-6<br>CRP**                                                                            |
| Anemia<br>Ferritin<br>Folate<br>Vitamin B12                                                                                                                                                  |                                                                                              |                                                                                                                                                                                                                | IgG Subclass<br>IgG1<br>IgG2<br>IgG3<br>IgG4                                                                                                                    |                                                                                                                 |

|                                                                                    |                                                  |
|------------------------------------------------------------------------------------|--------------------------------------------------|
|  | 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



ISO 9001  
Quality  
Management  
Systems  
CERTIFIED



ISO 13485  
Quality  
Management for  
Medical Devices  
CERTIFIED



2797



MEDICAL DEVICE SINGLE AUDIT PROGRAM

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

**YHLO** Stock code  
SSE: 688575  
**SHENZHEN YHLO BIOTECH CO., LTD.**

SHENZHEN YHLO BIOTECH CO., LTD.  
Building 1, YHLO Biopark  
Baolong 2nd Road, Baolong Subdistrict,  
Longgang District,  
Shenzhen  
518116, Guangdong,  
China  
Tel: +86 755 26601910  
Email: marketing@szyhlo.com  
Website: www.szyhlo.com

**YHLO**  
**FULLY AUTOMATED**  
CHEMILUMINESCENCE IMMUNOASSAY ANALYZER

iFlash  
I200



# iFlash 1200

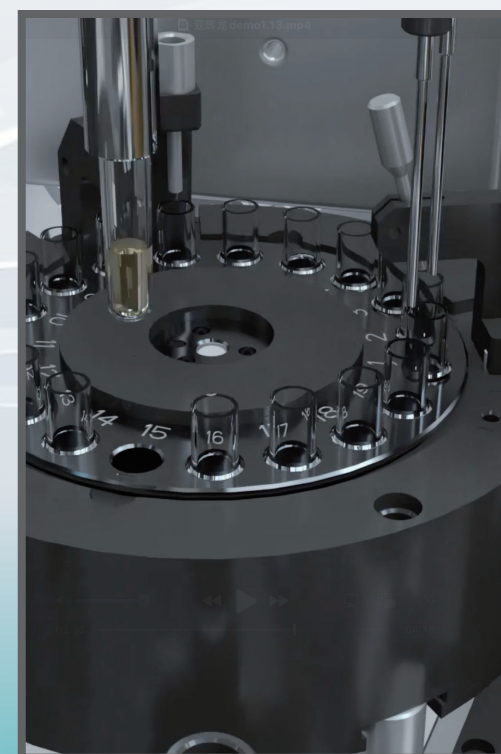
*Bench-top!*



## Flexible

With STAT positions

Integrates with laboratories handling small to medium-sized testing volumes



## 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



## Liberate

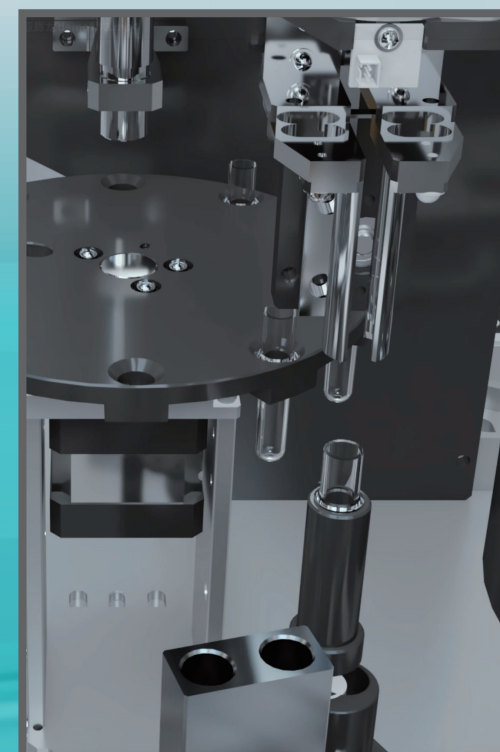
Capacity of 500 RV with auto-replenishment system

Reagent carousel with automatic micro-magnetic bead mixing function

## Accurate

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

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



## Harmonious

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

Offers both concentrated and lyophilized\* wash buffers for easy operation