

| 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<br>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**                                                                                           | Hypersention<br>ACTH<br>Cortisol<br>Renin**<br>Aldosteron**                                  | 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                                                                                                                    |                                                                                                                 |

\*\* 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-i302-202503





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



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iFlash  
1800





# iFlash 1800



## Flexible

With STAT positions

Integrates with laboratories handling small to medium-sized testing volumes

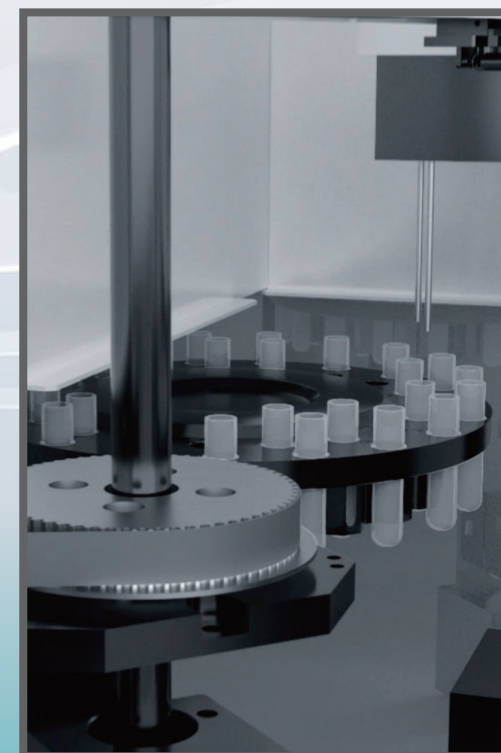


## Intelligent

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



## 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



## Liberate

Capacity of 1000 RV with auto-replenishment system

Reagent carousel with automatic micro-magnetic bead mixing function

## 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  $\pm 0.5\ \mu\text{L}$