

Specifications

General Information

| | |
|------------------------------|--|
| Throughput | Up to 300 tests/hour |
| Fastest 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, bubble, clot detection |

Sample Supply System

| | |
|----------------------------------|--|
| Sample position | 5 samples per rack, 140 sample positions including 15 STAT positions |
| Sample delivery system | Continuous sample loading with robotic transfer |
| Sample volume | 5uL~150 μL |
| Reaction vessels loader capacity | 2000 reaction vessels reserve for continuous loading |

Reagent System

| | |
|------------------------------|--|
| Reagent position | 30 positions with built-in refrigeration |
| Reagent carousel temperature | 2-8°C |
| Reagent detection | Reagent level tracking |
| Reagent pack | 2×50 tests per kit |
| Auto dilution | Maximum of 1:400 |

Reaction Carousel

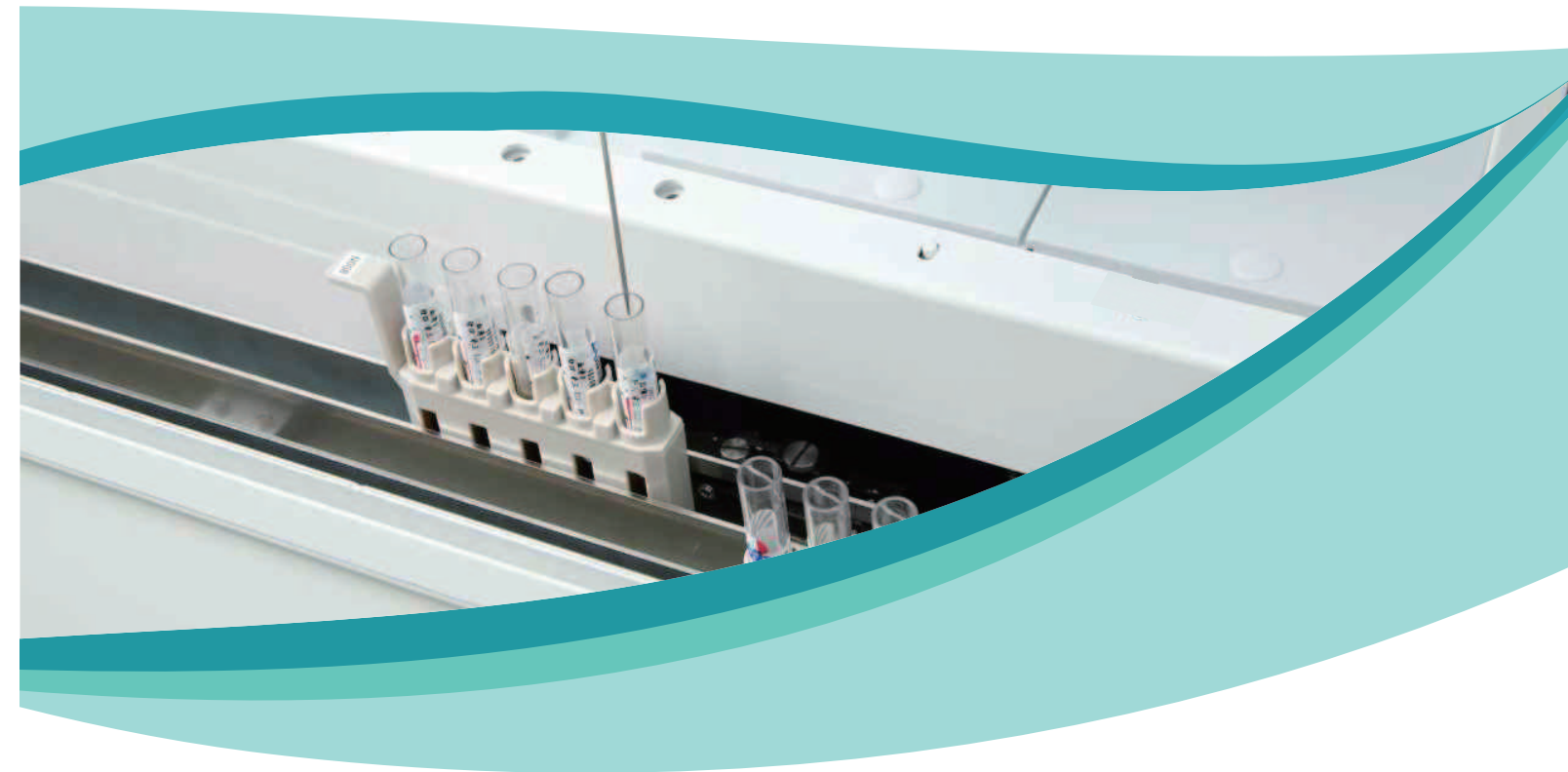
| | |
|------------------------|---|
| Capacity | 230 reaction vessels |
| Incubation temperature | 37.0°C ± 0.3°C, with a fluctuation of 0.1°C |
| Mixing system | Non-contact eccentric vortex mixer |

Magnetic Separation System

| | |
|----------------|---|
| Washing method | 4-step magnetic separation |
| Temperature | 37.0°C ± 0.3°C, with a fluctuation of 0.1°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 |
| Physical dimensions | 1470 mm (L) × 950 mm (W) × 1410 mm (H) |
| Weight | 387 kg |



Local Distributor:



P/N: ENG-C012-202103

YHLO

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iFlash 3000
Chemiluminescence
Immunoassay Analyzer
Automation within Reach

iFlash 3000

Chemiluminescence Immunoassay Analyzer

Automation within Reach



Advance CLIA Technology

- Acridinium Ester label has high detection sensitivity
- Little impact on antibody/antigen reaction



High Efficiency Magnetic-particle Immunoassay

- Micro magnetic beads have more surface area and higher sensitivity
- 4 step magnetic separation brings better washing effect, excellent repeatability

ADVANCED

CONVENIENT



RELIABLE

COMPREHENSIVE



Reliable Analysis

- High precision PMT module
- Intelligent design to minimize the cross contamination



Comprehensive Panels

- A lot of unique parameters on CLIA platform, e.g. AMH, Inhibin B, Inhibin A, Adiponectin, RA33 IgG, ZnT8A, etc.

iFlash Test Panels

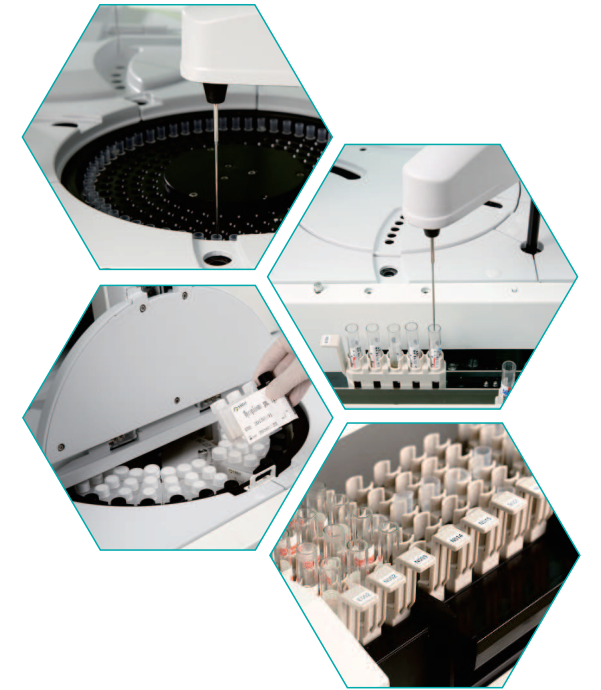
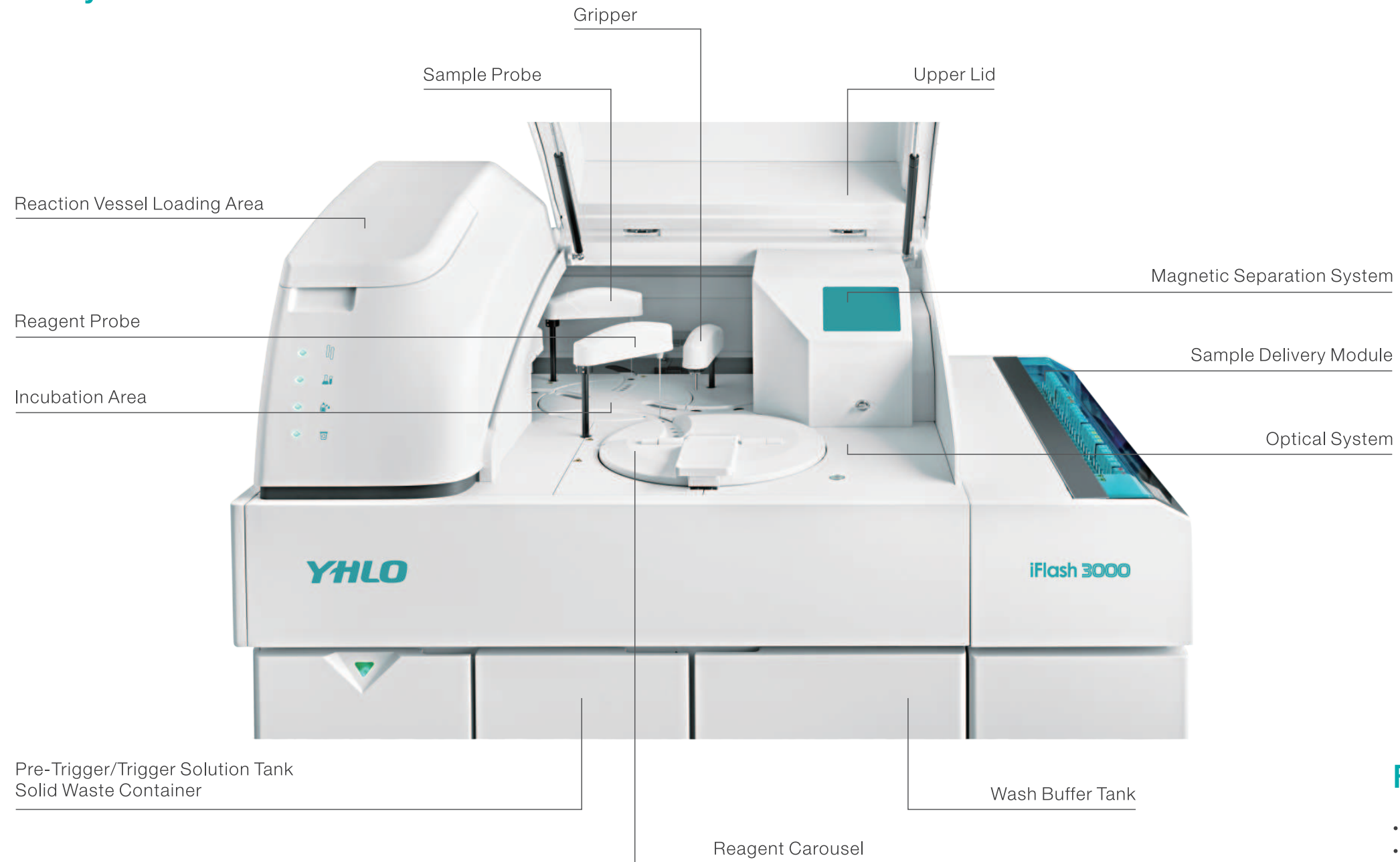
| Main Stream Hormonology | Reproductive Health | Autoimmunity | Infection |
|---|--|---|---|
| Thyroid TSH Anti-TPO Anti-TSHR Tg Anti-Tg FT3 FT4 T3 T4 | Fertility AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estriol E2 PAPP-A free βHCG Progesterone Testosterone | Rheumatoid Arthritis Anti-CCP RF IgG RF IgM RF RA33 IgG | EBV EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA |
| Tumor Markers PG I PG II AFP CEA CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1 NSE | 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 | Connective Tissue Disease ANA dsDNA IgG Sm IgG SS-A IgG SS-B IgG Scl-70 IgG Jo-1 IgG RNP70 IgG | Respiratory Disease Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM |
| Anemia Ferritin Folate Vitamin B12 | Anti-Phospholipid Syndrome Anti-Cardiolipin Cardiolipin IgM Cardiolipin IgG Cardiolipin IgA Anti-β2-Glycoprotein I β 2-Glycoprotein I IgM β 2-Glycoprotein I IgG β 2-Glycoprotein I IgA | Autoimmune Liver SMA IgG AMA-M2 | Blood Bank Anti-TP (Syphilis) Anti-HCV * HBsAg * Anti-HBs * HBeAg * Anti-HBe * Anti-HBc * HIV Combo * |
| Cardiac Markers CK-MB Myoglobin Troponin-I BNP | Bone Metabolism 25-OH Vitamin D PTH | Vasculitis Diagnostics PR3 IgG GBM IgG MPO IgG | Inflammation PCT |
| Metabolism Insulin C-Peptide Cortisol ACTH Adiponectin | Liver Fibrosis HA PIIIPN-P Col IV Laminin | Autoimmune Diabetes IA-2A IAA GADA ICA ZnT8A | Novel Coronavirus iFlash-2019-nCoV IgM iFlash-2019-nCoV IgG iFlash-2019-nCoV IgA iFlash-2019-nCoV Ag iFlash-2019-nCoV NAb |
| | | Celiac Disease tTg IgA ** tTg IgG ** DGP IgA ** DGP IgG ** | |

* Without CE
 ** Coming Soon



iFlash 3000

System Layout



Features

- Acridinium Ester labeled direct chemiluminescence
- Up to 300 tests/hour
- 30 reagent cooling positions (2-8°C)
- 140 sample positions including 15 STAT positions
- Independent 4 step magnetic separation system
- Non-contact vortex mixer
- Efficient reaction vessel loading
- Unique test panels
- Easy maintenance

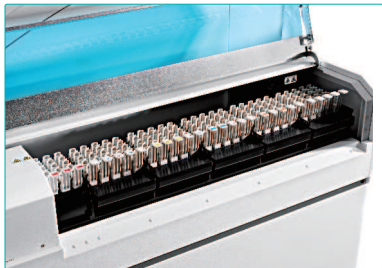
iFlash 3000

Instrument



Precise Aspiration System

- Two dedicated probes for sample and reagent
- Stainless probe with high pressure exterior & interior washing to minimize carry-over and cross contamination



Optimize Sample Loading System

- 140 samples positions including 15 STAT positions with random access
- Unique sample rack design (5 samples/rack, 5 racks/tray) for easy handling of samples



Smart Software

- User friendly interface
- Real time monitoring of reagents and consumables
- Smart result management

Reagent



Comprehensive Reagent Panels

- 120 parameters covering infectious, autoimmune, reproductive health and routine parameters
- More parameters are under development



Operation



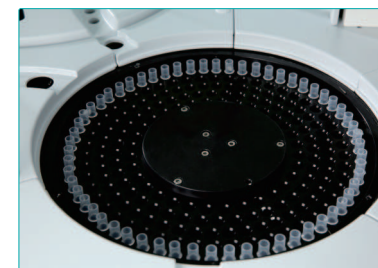
Unique Reaction Vessels Loading

- Smart RV design to achieve automatic loading of vessels
- 2000 reaction vessels capacity
- Accurate and rapid reaction vessel transport



Special Vortex Mixer

- Non-contact vortex mixer design eliminates the chance of cross contamination



Characterized Incubation Plate

- 230 incubation vessels capacity
- Incubation temperature fluctuation within +/- 0.1 °C