

## iFlash Test Panels

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

\* Without CE  
 \*\* Coming Soon



## Specifications

### 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 Supply System

Sample position	5 samples per rack, 50 sample positions with STAT function
Sample volume	5uL~150uL
Reaction vessels loader capacity	1000 reaction vessels reserve for continuous loading

### Reagent System

Reagent position	20 positions with onboard refrigeration
Reagent carousel temperature	2-8°C
Reagent detection	Reagent level tracking
Reagent pack	2x50 tests per kit
Auto dilution	Maximum of 1:400

### Reaction Carousel

Capacity	75 reaction vessels
Incubation temperature	37.0°C $\pm$ 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 $\pm$ 0.3°C, with a fluctuation of 0.1°C

### Operating Conditions

Power supply	100~240V, 50/60Hz
Power consumption	1000VA
Temperature	10~30°C
Ambient humidity	20%-70% RH
Physical dimensions	103cm (L) $\times$ 75cm (W) $\times$ 71cm (H)
Weight	150kg

Distributor:

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## iFlash 1800

### Chemiluminescence Immunoassay Analyzer

Consolidation for Automation

# iFlash 1800

## Chemiluminescence Immunoassay Analyzer

### Consolidation for Automation

iFlash 1800 is a bench-top solution tailored for clinical labs. With less outsourced samples, improved in-house controlled quality and higher throughput, iFlash 1800 has achieved better efficiency and reliability.



Reaction vessel loading container simplifies vessel loading process and reduces manual handling time.



Special RV array design allows for accurate reaction vessel placement and avoids potential blockage.



Independent reaction vessel gripper guarantees precise vessel handling.



High-capacity reagent carousel provides longer onboard reagent stability.



Non-contact vortex mixer design avoids liquid touching and eliminates the chance of cross contamination.



### Consolidating various workstation on a CLIA platform for differential diagnosis

iFlash 1800 delivers unmatched, innovative and comprehensive product assortment for quick clinical diagnosis, including reproductive health, autoimmunity, diabetes, infectious diseases and other routine parameters.

- Comprehensive panel of 112 parameters: less analyzer, less sample splitting and better quality control within the lab.
- Unique parameters on CLIA platform ensures less outsourcing and consolidated results output.

### A CLIA system with better efficiency compared to its peers

- Compact design with 180 tests per hour maximum throughput, delivers more sample results per square meter.
- 1000 reaction vessels on-board, 50 sample positions and 20 reagent positions, ensure less restocking cycles.
- Continuous loading of samples, reagents and consumables provides less interruption of analytical phase.
- Reflex, auto dilution and auto rerun function can save time for lab technicians.

### Reliable and consistent performance via state-of-art design

We paid attention to every details when designing the iFlash 1800 analyzers and its reagents. We are dedicated to produce a reliable immunoassay system to the labs.