

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.



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.



Consolidating various workstation on a CLIA platform for differential diagnosis

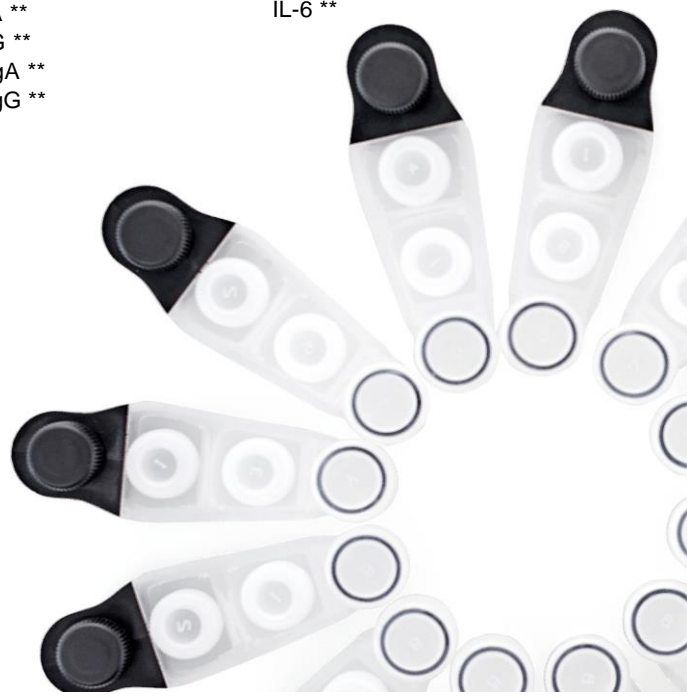
iFlash 1800 delivers unmatched, innovative and comprehensive product assortment for quick clinical diagnosis, including reproductive health, autoimmunity, diabetes, infectious diseases and other routine parameters.

- 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.

CLIA Test Panel

Main Stream Hormonology	Reproductive Health	Autoimmunity	Infection
<p>Thyroid</p> <p>TSH Anti-TPO Anti-TSHR Tg Anti-Tg FT3 FT4 T3 T4</p> <p>Tumor Markers</p> <p>PG I PG II AFP CEA CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1 NSE</p> <p>Anemia</p> <p>Ferritin Folate Vitamin B12</p> <p>Cardiac Marker</p> <p>CK-MB Myoglobin Troponin-I BNP D-Dimer**</p> <p>Bone Metabolism</p> <p>25-OH Vitamin D PTH</p> <p>Metabolism</p> <p>Insulin C-Peptide Cortisol ACTH Adiponectin</p> <p>Liver Fibrosis</p> <p>HA P III PN-P Col IV Laminin</p>	<p>Fertility</p> <p>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 **</p> <p>TORCH</p> <p>Toxo IgG Toxo IgM CMV IgG CMV IgM HSV-1 IgG HSV-2 IgG HSV-1 IgM HSV-2 IgM Rubella IgG Rubella IgM</p> <p>Anti-Phospholipid Syndrome</p> <p>Cardiolipin IgG Cardiolipin IgM Cardiolipin IgA Anti-Cardiolipin Cardiolipin β2-Glycoprotein I IgG β2-Glycoprotein I IgA β2-Glycoprotein I IgM Anti-β2-Glycoprotein I</p>	<p>Rheumatoid Arthritis</p> <p>Anti-CCP RF IgG RF IgM RF RA33 IgG</p> <p>Connective Tissue Disease</p> <p>ANA dsDNA IgG Sm IgG SS-A IgG SS-B IgG Scl-70 IgG Jo-1 IgG RNP70 IgG</p> <p>Autoimmune Liver</p> <p>SMA IgG AMA-M2</p> <p>Vasculitis Diagnostics</p> <p>PR3 IgG GBM IgG MPO IgG</p> <p>Autoimmune Diabetes</p> <p>IA-2A IAA GADA ICA ZnT8A</p> <p>Celiac Disease</p> <p>tTg IgA ** tTg IgG ** DGP IgA ** DGP IgG **</p>	<p>EBV</p> <p>EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA</p> <p>Respiratory Disease</p> <p>Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM</p> <p>SARS-CoV-2</p> <p>2019-nCoV IgM 2019-nCoV IgG 2019-nCoV IgA * 2019-nCoV Ag 2019-nCoV NAb SARS-CoV-2 IgG-S</p> <p>Blood Bank</p> <p>Anti-TP (Syphilis) Anti-HCV * HBsAg * Anti-HBs * HBeAg * Anti-HBe * Anti-HBc * HIV Combo *</p> <p>Inflammation</p> <p>PCT IL-6 **</p>

★ IVDR Certified
* 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	5~150 µL
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	2×50 tests per kit
Auto dilution	Maximum of 1:400

Reaction Carousel

Capacity	75 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	1000 VA
Temperature	10~30°C
Ambient humidity	20%-70% RH
Physical dimensions	1030 mm (L) × 750 mm (W) × 710 mm (H)
Weight	150 kg

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