

研究用

YHLO



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.



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.

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.



Reliable and consistent performance via state-of-art design

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

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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.

iFlash Test Panels

Main Stream Hormonology	Reproductive Health	Autoimmunity	Infection
<p>Thyroid TSH Anti-TPO Anti-TSHR Tg Anti-Tg FT3 FT4 T3 T4</p> <p>Tumor Markers 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 Ferritin Folate Vitamin B12</p> <p>Cardiac Markers CK-MB Myoglobin Troponin-I BNP</p> <p>Bone Metabolism 25-OH Vitamin D PTH</p> <p>Metabolism Insulin C-Peptide Cortisol ACTH Adiponectin</p> <p>Liver Fibrosis HA PIIIPN-P CoI IV Laminin</p>	<p>Fertility AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estriol E2 PAPP-A free β HCG Progesterone Testosterone</p> <p>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</p> <p>Anti-Phospholipid Syndrome Anti-Cardiolipin Cardiolipin IgM Cardiolipin IgG Cardiolipin IgA Anti- β 2-Glycoprotein I β 2-Glycoprotein I IgM β 2-Glycoprotein I IgG β 2-Glycoprotein I IgA</p>	<p>Rheumatoid Arthritis Anti-CCP RF IgG RF IgM RF RA33 IgG</p> <p>Connective Tissue Disease ANA dsDNA IgG Sm IgG SS-A IgG SS-B IgG Scl-70 IgG Jo-1 IgG RNP70 IgG</p> <p>Autoimmune Liver SMA IgG AMA-M2</p> <p>Vasculitis Diagnostics PR3 IgG GBM IgG MPO IgG</p> <p>Autoimmune Diabetes IA-2A IAA GADA ICA ZnT8A</p>	<p>EBV EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA</p> <p>Respiratory Disease Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM</p> <p>Blood Bank Anti-TP Anti-HCV * HBsAg * Anti-HBs * HBeAg * Anti-HBe * Anti-HBc * HIV Combo *</p> <p>Inflammation PCT</p> <p>Novel Coronavirus SARS-CoV-2 IgM SARS-CoV-2 IgG</p>

* Without CE



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

全自動化学発光免疫測定 (CLIA) 装置

Code No.	製品名	包装	価格 (税別)	保証期間
YH-C6104	iFlash 1800	一式	¥5,000,000	6ヵ月

試薬

Code No.	製品名	包装	価格 (税別)
YH-C86095G	iFlash-SARS-CoV-2 IgG	100 tests	¥270,000
YH-C86095M	iFlash-SARS-CoV-2 IgM	100 tests	¥270,000

※新型コロナウイルス抗体を検出する「研究用試薬」「研究用機器」です。
※別途、コントロール試薬、機器用消耗品が必要になります。詳細はMBLまでお問い合わせください。

※最新の情報はMBLまでお問い合わせください。

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販売元

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