### iFlash Test Panels

Thyroid
TSH
Anti-TPO
Anti-TSHR \*\*
Tg
Anti-Tg

Main Stream

Tumor Markers

FT3

FT4

Т3

Т4

PG II
AFP
CEA
CA 125

CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1

**Anemia** Ferritin

NSE

Folate \*\*
Vitamin B12 \*\*

Cardiac Markers

CK-MB Myoglobin Troponin-I BNP

Bone Metabolism

25-OH Vitamin D PTH

Metabolism

Insulin
C-Peptide
Cortisol
ACTH
Adiponectin

Liver Fibrosis

HA
PIIIPN-P
Col IV
Laminin

Reproductive Health

Fertility

Inhibin B

Inhibin A

AMH

LH

FSH

HCG

E2

Prolactin

DHEA-S

PAPP-A

**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

Syndrome

Cardiolipin IgG

Cardiolipin IgM

Cardiolipin IgA \*\*

Anti-Cardiolipin

β 2-Glycoprotein I IgG β 2-Glycoprotein I IgA \*\*

β 2-Glycoprotein I IgM \*\*

Anti-β2-Glycoprotein I

Anti-Phospholipid

free β HCG

Progesterone

Testosterone

Unconjugated Estriol

Autoimmunity

Rheumatoid Arthritis Anti-CCP RF IgG RF IgM RF

Connective Tissue

Disease
ANA
dsDNA lgG
Sm lgG
SS-A lgG
SS-B lgG
Scl-70 lgG
Jo-1 lgG
RNP70 lgG

RA33 IgG

Autoimmune Liver

SMA IgG AMA-M2

Vasculitis Diagnostics

PR3 IgG GBM IgG MPO IgG

**Autoimmune Diabetes** 

IA-2A IAA GADA ICA ZnT8A \*\*

\* Without CE
\*\* Coming Soon

#### Infection

EBV

EBV
EB VCA IgG
EB VCA IgM
EB VCA IgA
EB EA IgM
EB NA IgG
EB NA IgA

**Respiratory Disease** 

Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM

Blood Bank Anti-TP

Anti-HCV \*
HBsAg \*
Anti-HBs \*
HBeAg \*
Anti-HBe \*
Anti-HBc \*
HIV Combo \*

Inflammation

Inflammati PCT





#### **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	2×50 tests per kit
Auto dilution	Maximum of 1:400

#### **Reaction Carousel**

Capacity	75 reaction vessels
Incubation temperature	$37.0^{\circ}\text{C} \pm 0.3^{\circ}\text{C}$ , with a fluctuation of $0.1^{\circ}\text{C}$
Mixing system	Non-contact eccentric vortex mixer

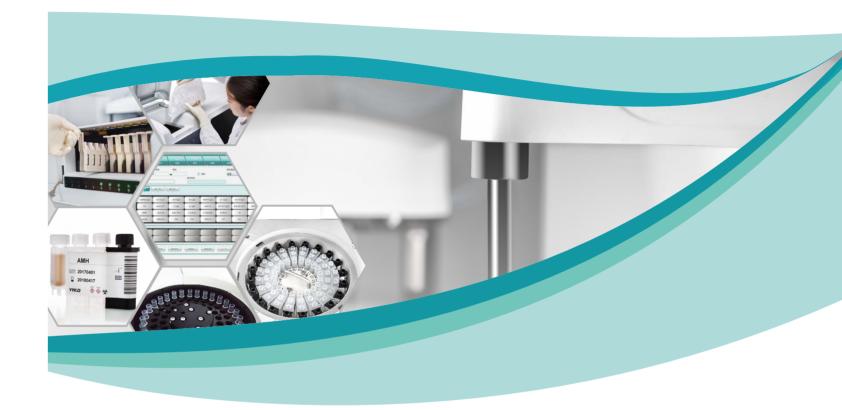
#### Magnetic Separation System

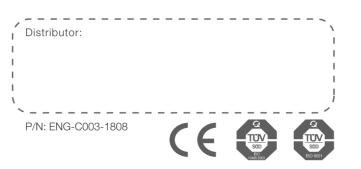
Washing method	4-step magnetic separation
Temperature	37.0°C ± 0.3°C, with a fluctuation of 0.1°C

#### **Operating Conditions**

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









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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.



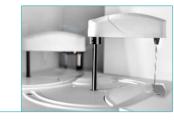
Reaction vessel loading container simplifies vessel loading process and reduces manual handling time.



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.

## 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.





# 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.