

**YHLO**



**iFlash I200**  
**Chemiluminescence**  
**Immunoassay Analyzer**



**iFlash 1200, an easy-to-use and automated instrument, commits to meet the demands of higher efficiency and less cost.**

## *Intelligent*

Predictable results delivery time  
Reflex, auto-dilution, and auto rerun function

## *Flexible*

Calibrators are included in the kits  
A broader assay menu requires less outsourcing

## *Liberate*

Automated RV (reaction vessels) loading  
Continuous reagent and sample loading

## *Accurate*

Stable system temperature control  
Non-contact vortex mixer minimize carry-over

## *Smaller*

Consolidation (120 parameters) meets compact size

## *Harmonious*

Reagents and consumables are compatible  
with the iFlash series



*iFlash*

## iFlash 1200 is designed to meet the various users' needs.



Dedicated analyzer  
for unique parameters

120+  
Parameters

Special testing panels  
for mid-volume testing labs

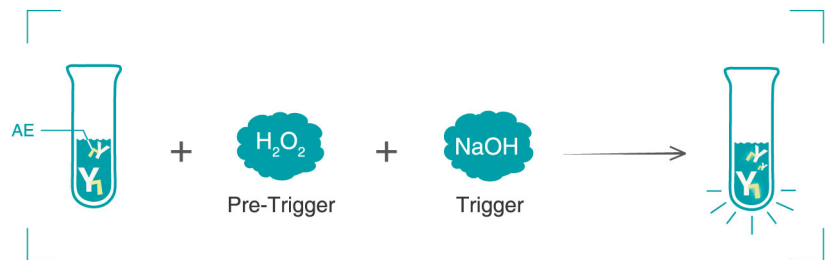


Primary analyzer for the  
labs with space limitation

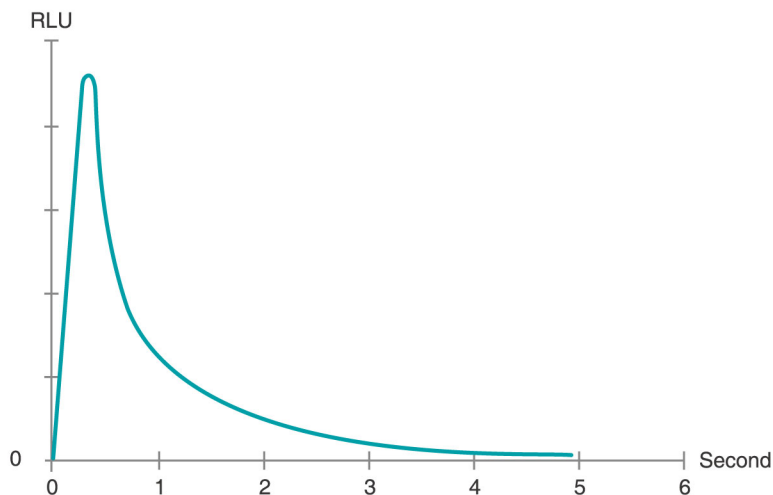
## iFlash 1200 uses advanced acridinium ester-labeled chemiluminescence technology.

For chemiluminescence systems, acridinium ester (AE) tends to be relatively simple with a smaller size compared to other labels. It can emit light directly in alkaline-hydrogen peroxide solution without the need for enhancers or catalysts. The application of chemiluminescence immunoassay provides lots of advantages, including:

- Low background noise
- High signal-to-noise ratio
- Few interferences in the reaction
- More stable labelling process
- High luminous efficiency & intensity



Emission light intensity reaches the maximum in seconds.



# iFlash Test Panels

## Main Stream Hormonology

### Thyroid

TSH  
Anti-TPO  
Anti-TSHR  
Tg  
Anti-Tg  
FT3  
FT4  
T3  
T4

### Tumor Markers

PG I  
PG II  
AFP  
CEA  
CA 125  
CA 15-3  
CA 19-9  
Free PSA  
Total PSA  
CYFRA 21-1  
NSE

### Anemia

Ferritin  
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

AMH  
Inhibin B  
Inhibin A  
LH  
FSH  
HCG  
Prolactin  
DHEA-S  
Unconjugated Estriol  
E2  
PAPP-A  
free  $\beta$ HCG  
Progesterone  
Testosterone

### 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

### Anti-Phospholipid Syndrome

Anti-Cardiolipin  
Cardiolipin IgM  
Cardiolipin IgG  
Cardiolipin IgA  
Anti- $\beta$ 2-Glycoprotein I  
 $\beta$  2-Glycoprotein I IgM  
 $\beta$  2-Glycoprotein I IgG  
 $\beta$  2-Glycoprotein I IgA

\* Without CE  
\*\* Coming Soon

## Autoimmunity

### Rheumatoid Arthritis

Anti-CCP  
RF IgG  
RF IgM  
RF  
RA33 IgG

### Connective Tissue Disease

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

### Autoimmune Liver

SMA IgG  
AMA-M2

### Vasculitis Diagnostics

PR3 IgG  
GBM IgG  
MPO IgG

### Autoimmune Diabetes

IA-2A  
IAA  
GADA  
ICA  
ZnT8A

### Celiac Disease

tTg IgA \*\*  
tTg IgG \*\*  
DGP IgA \*\*  
DGP IgG \*\*

## Infection

### 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 (Syphilis)  
Anti-HCV \*  
HBsAg \*  
Anti-HBs \*  
HBeAg \*  
Anti-HBe \*  
Anti-HBc \*  
HIV Combo \*

### Inflammation

PCT

### Novel Coronavirus

iFlash-2019-nCoV IgM  
iFlash-2019-nCoV IgG  
iFlash-2019-nCoV IgA  
iFlash-2019-nCoV Ag  
iFlash-2019-nCoV NAb



# Specifications

## General Information

Throughput	Up to 120 tests/hour
Time to first result	13 minutes
Detection principle	Magnetic particle-based direct Chemiluminescence
Chemiluminescence label	Acridinium Ester

## Sample Supply System

Sample position	16 sample positions with STAT function
Sample tube	Microcup and blood collecting tube
Sample volume	5~150 $\mu$ L
Reaction vessels loader capacity	500 pcs, allows continuous loading

## Reagent System

Reagent position	15 reagent positions with on-board refrigeration
Reagent carousel temperature	2-8°C
Reagent detection	Reagent level tracking
Reagent pack	100 tests/kit
Auto dilution	Maximum of 1:400 (for valid test)

## Reaction Carousel

Capacity	48 reaction vessels
Incubation temperature	37.0°C $\pm$ 0.3°C
Mixing system	Non-contact vortex mixer

## Operating Conditions

Power supply	100~240 V, 50/60 Hz
Power consumption	600 VA
Temperature	10~30°C
Ambient humidity	20%~85%RH (without condensation)
Atmospheric pressure	61.6kPa~106.0 kPa
Dimensions	930 mm (W) $\times$ 710 mm (D) $\times$ 650 mm (H)
Weight	120 KG

Local Distributor:



P/N: ENG-C034-202104

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