



iFlash 1800

Automation Steps for a Mid-Size Lab

Workflow Simplification
Workstation Consolidation
...for Differential Diagnosis on the fly

YHLO

iFlash 1800

Workflow Simplification...

by reducing inefficiencies and analytical down time

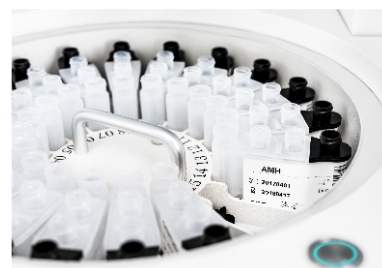
- Magnetic particle based Acridinium Ester CLIA technology
- Up to 180 tests/hour
- 75 incubation position
- 20 reagents with built-in refrigeration
- 50 sample positions with STAT
- Clot and liquid level detection
- Automatic dilution
- Reflex testing and auto rerun



Continuous loading of samples, reagents and consumables without analytical phase interruption

Features

- Continuous loading of sample racks
- 1000 reaction vessels loaded in seconds
- 20 reagent slots loaded without interrupting the analytical phase



Attributes

- At a time unit, iFlash 1800 produces more results than similar CLIA Analyzers

iFlash 1800 treats each cuvette individually

Features

- Reaction vessel gripper for precise handling
- Non-chain system to avoid potential blockage

Attributes

- iFlash 1800 eliminates the down time of analytical phase.



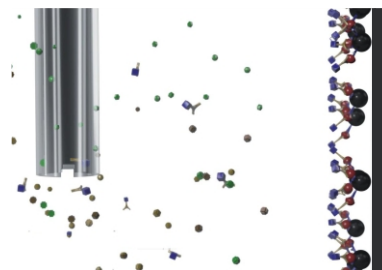
Minimized repeats

Features

- Non-contact vortex mixing
- Four step magnetic wash

Attributes

- Less repeats for shorter turn-around time





Workstation Consolidation

...transferring ELISA assays on a CLIA Platform &
Making “Fast Differential Diagnosis” a reality

Workstation consolidation is...

- Less sample splitting, less pre-analytical mistakes
- Less LIS connections
- Minimize outsourcing
- Consolidated results reports
- Maximize efficiency, improved turn-around time

Comprehensive reagent menu designed as per medical condition

- Unmatched and innovative product assortment for women's reproductive health (AMH/Inhibin B/Inhibin A), anti-phospholipid syndrome, ToRCH, routine fertility.
- Diabetes A and diabetes B
- Liver fibrosis
- Full autoantibodies product assortment
- Blood bank related reagents

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 β 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

Cardiolipin IgG
Cardiolipin IgM
Cardiolipin IgA **
Anti-Cardiolipin
 β 2-Glycoprotein I IgG
 β 2-Glycoprotein I IgA **
 β 2-Glycoprotein I IgM **
Anti- β 2-Glycoprotein I

* 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 **

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

Inflammation

PCT



iFlash I800 Specifications



General information

Throughput	Up to 180 tests/hour
Time to First Result	12 minutes (theoretical max)
Detection Principle	Magnetic particle-based direct chemiluminescence
Luminescence Label	Acridinium Ester
Test Method	Sandwich, competitive, indirect

Sample Supply System

Sample Position	5 samples per rack, 50 sample positions with STAT function
Sample Tube	Microcup and blood collecting tube
Sample Volume	5uL~150uL
Reaction Vessels Loader Capacity	1000 with reaction vessel reserve for easy and continuous loading

Reagent System

Reagent Position	20 positions with built-in 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 (for valid test)

Reaction Carousel

Capacity	Able to hold 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	100~240V, 50/60Hz
Power Consumption	1000VA
Temperature	10~30°C
Temperature Fluctuation	≤±2°C/h
Ambient Humidity	20%RH-70%RH (without condensation)
Physical Dimensions	103cm(L)×75cm(W)×71cm(H)
Weight	150kg