

# ***iFlash 1200***

Focus on healthcare,  
better life with technology



# Challenge of Laboratory

YHLO

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Lab Manager

- The testing volume is increasing.
- We should consider switching those old ELISA analyzers to smaller and higher-throughput CLIA analyzers.

**Large testing volume**

**Old analyzer upgrade**

# Challenge of Laboratory

**YHLO**



**Lab Manager**

Outsourcing samples are increasing.



**Lab Owner**

We need to expand our menu.

# Challenge of Laboratory

YHLO



Lab operators

We need more flexible time to do more valuable work, the testing time of the current analyzer is so long and some analyzers are hard to operate.

**Flexible time**

**Valuable work**

# Your perfect choice

*Cost-effective solution for lab automation*

120<sub>T/H</sub>

Up to 500 Reaction vessels

16 sample positions

15 reagents positions



***WHAT CAN  
iFlash 1200  
DO FOR YOU?***



# Marketing Target



## Small-sized lab

Primary analyzer for the labs with limited space



## Medium-sized lab

Special testing panels for mid-volume testing labs



## Central lab

Dedicated analyzer for unique parameters



*Lab Efficiency*

*Lab Productivity*

*Lab Cost Reduction*

# iFlash 1200

**YHLO**

It offers you...



Timely delivery



Accurate results



Convenient operation

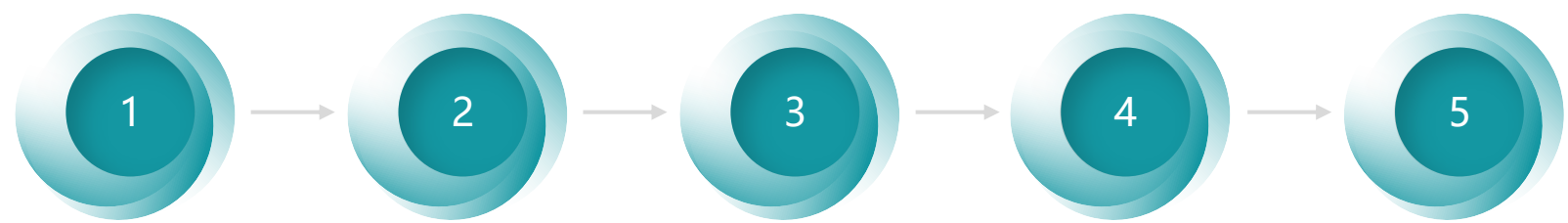


Cost reduction



# Timely

one step by manual



Loading

Calibration

QC

Testing

Results



Automatic workflow

73 mins



Timely

- 120 Test/Hour
- 16 Sample positions
- 15 Reagent positions
- Automated arrangement of reaction vessels
- Continuous loading reagents without stopping the analyzer

**CAN** reduce the Turn-Around-Time (TAT)

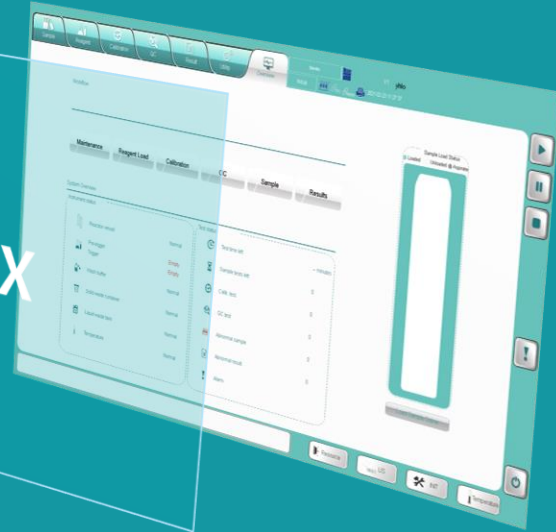
Timely



Auto rerun

Auto-dilution

Reflex



# Timely

**CAN** reduce the analytical error

# iFlash 1200

**YHLO**

**It offers you...**



Timely delivery



Accurate results



Convenient operation



Cost reduction

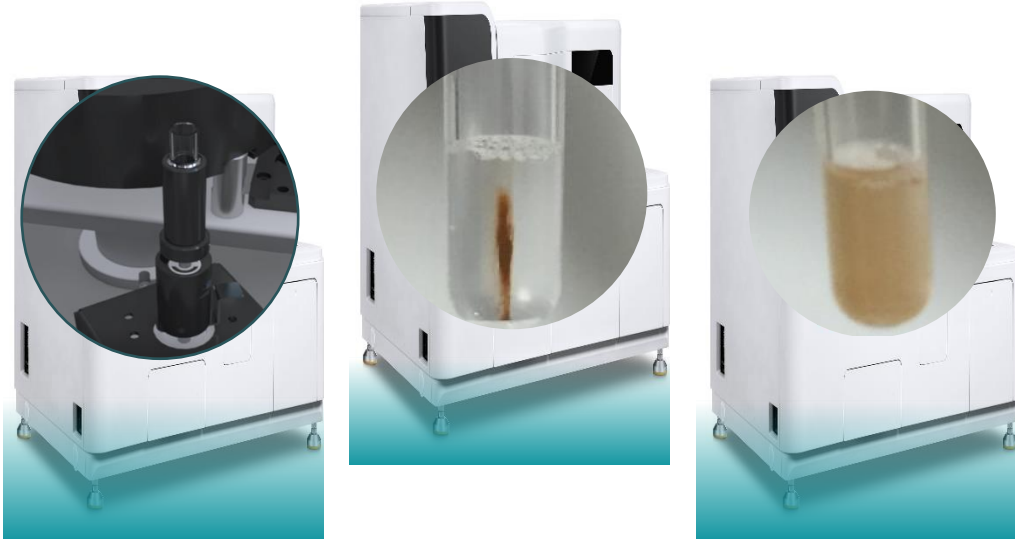
# Accurate

Stable system temperature control on magnetic separation carousel & incubator

- Temperature increase step:  $0.2^{\circ}\text{C}$
- Temperature range:  $37^{\circ}\text{C} \pm 0.3^{\circ}\text{C}$
- SW temperature monitoring

**CAN** increase the quality of reaction





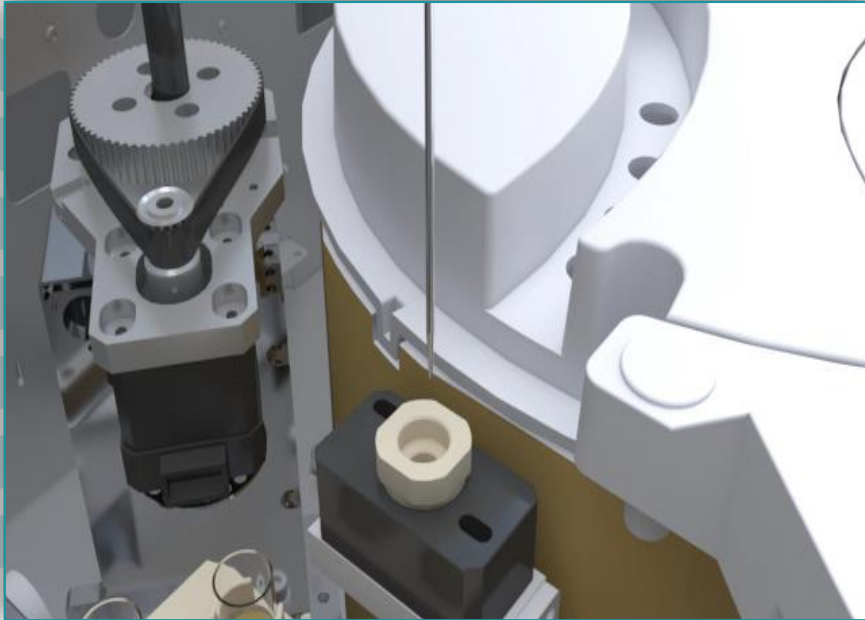
## Accurate


Non-contact vortex mixer, automatic detecting of rotate speed

**CAN** increase reaction quality and minimize carry-over

# Accurate

**YHLO**

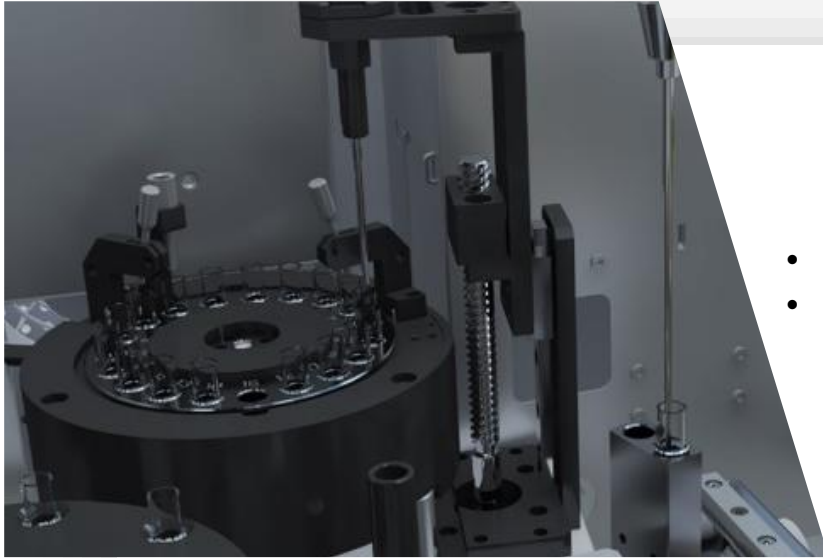


 High-pressure washing of inner and outer walls

 Liquid sampling coefficient of variation (CV) : 2%

 Detection of liquid level, bubble, and clot by capacitive sensors

**CAN** prevent cross-contamination, and increase precision



## Accurate

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- 4-step magnetic separation
- Patented array-type surrounding magnetic field design

**CAN** precisely control the loss of magnetic particles



# iFlash 1200

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Accurate results



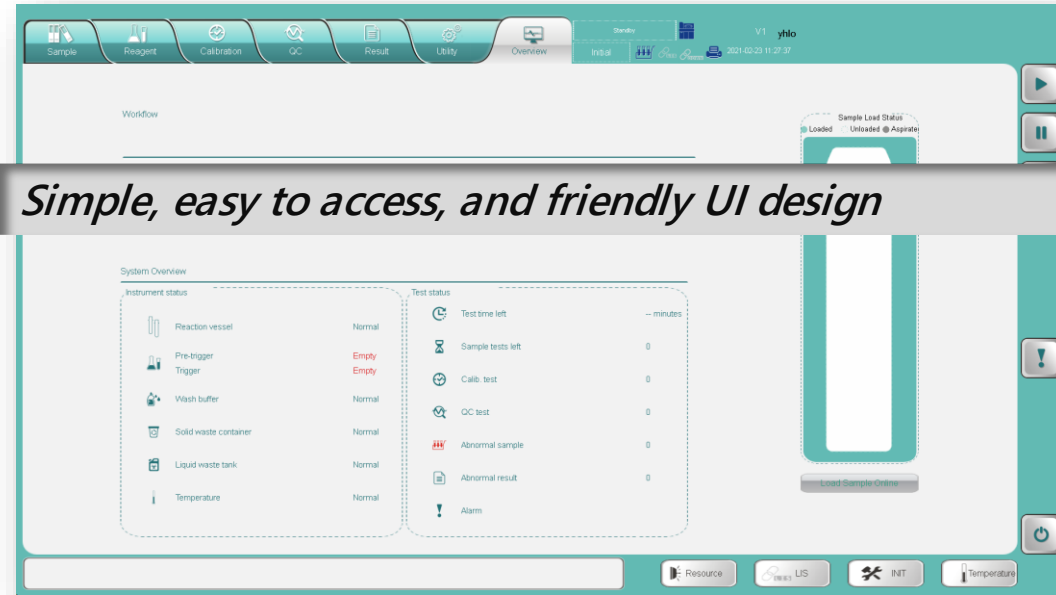
Convenient operation



Cost reduction

# User-friendly Software

YHLO



- Predictable results delivery time
- Reagents and consumables status monitoring
- STAT function
- Self-defined assay combo
- Customized daily QC testing
- Bidirectional LIS



# Reaction vessel loading

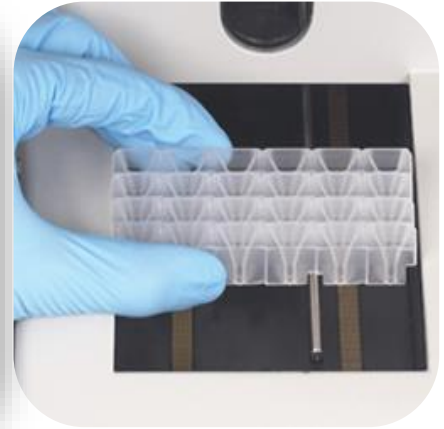
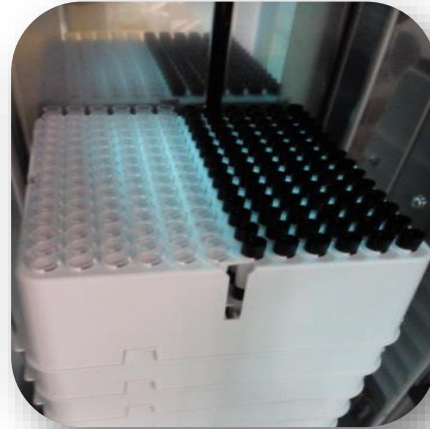
**YHLO**

**YHLO**



Continuous loading of reaction vessels  
Real-time consumption tracking

**others**



**CAN** reduce manual operation, reaction vessel stuck and waste

# Less maintenance

**YHLO**



- Inner container design is changed to a sloping bottom edge, less dead volume, less waste.



- Peristaltic pump tube is changed to the right side and only need to change the pump head.



# iFlash 1200

**YHLO**

It offers you...



Timely delivery



Accurate results



Convenient operation



Cost reduction

# Fewer consumables

**YHLO**

- **No** disposable pipette tips required
- Calibrators **for free**
- Only 3 auxiliary reagents needed
- Reagents and consumables are compatible with the iFlash series



# Compact size



Floor space: 0.66 M<sup>2</sup>

**CAN** fit in the labs with space limitation.

# 120+

# Broader assay menu

2  
4

iFlash 1200 offers an extensive and expanding immunoassay test menu including autoimmunity, infection, reproductive health, and routine panels.

**CAN** reduce outsourcing cost

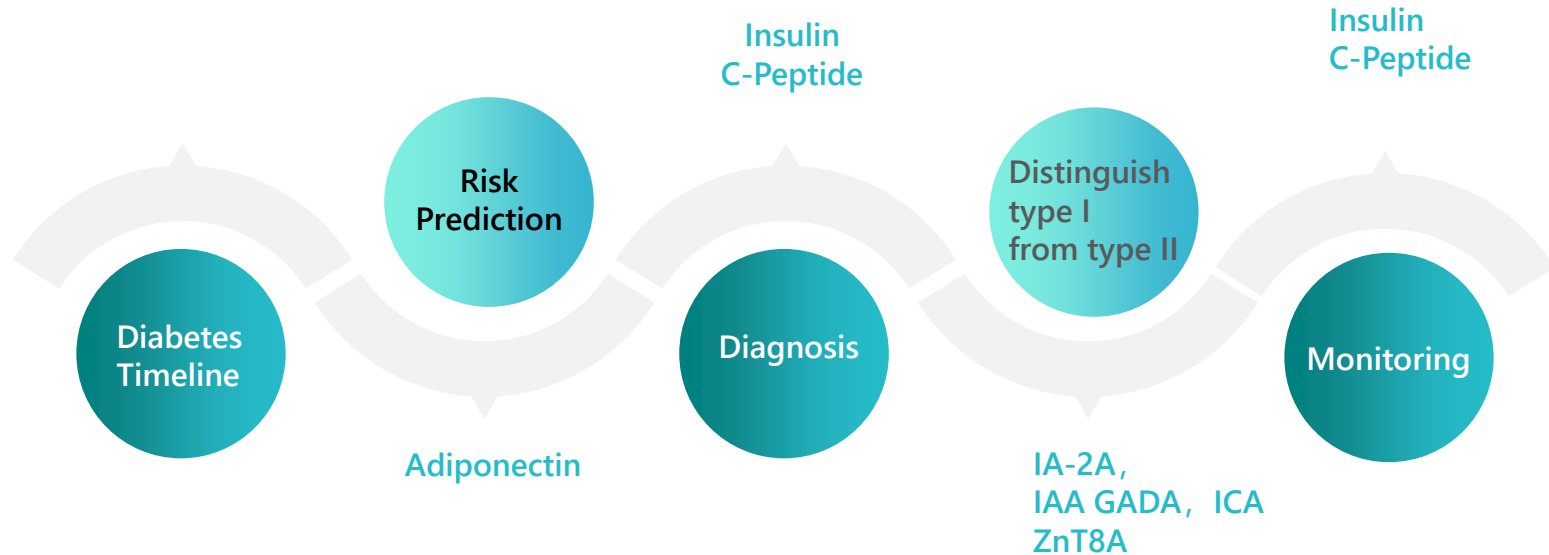
Autoimmunity	Reproductive Health	Infection	Others
<b>Rheumatoid Arthritis</b> Anti-CCP RF IgG RF IgM RF RA33 IgG <b>Connective Tissue Disease</b> ANA dsDNA IgG Sm IgG SS-A IgG SS-B IgG Scl-70 IgG Jo-1 IgG RNP70 IgG <b>Autoimmune Liver</b> SMA IgG AMA-M2 <b>Vasculitis Diagnostics</b> PR3 IgG GBM IgG MPO IgG <b>Autoimmune Diabetes</b> IA-2A IAA GADA ICA ZnT8A	<b>Fertility</b> AMH Inhibin B Inhibin A LH FSH HCG Prolactin DHEA-S Unconjugated Estriol E2 PAPPA-A free βHCG Progesterone Testosterone <b>Anti-Phospholipid Syndrome</b> Cardiolipin IgG Cardiolipin IgM Cardiolipin IgA Anti-Cardiolipin β2-Glycoprotein I IgG β2-Glycoprotein I IgA β2-Glycoprotein I IgM Anti-β2-Glycoprotein I	<b>TORCH</b> Toxo IgG Toxo IgM CMV IgG CMV IgM HSV-1 IgG HSV-2 IgG HSV-1 IgM HSV-2 IgM Rubella IgG Rubella IgM <b>EBV</b> EB VCA IgG EB VCA IgM EB VCA IgA EB EA IgM EB NA IgG EB NA IgA <b>Respiratory Disease</b> Mycoplasma pn. IgG Mycoplasma pn. IgM Chlamydia pn. IgG Chlamydia pn. IgM <b>Blood Bank</b> Anti-TP (Syphilis) Anti-HCV * HBeAg * Anti-HBs * HBeAg * Anti-HBe * Anti-HBc * HIV Combo * <b>Inflammation</b> PCT <b>Novel Coronavirus</b> iFlash-2019-nCoV IgM iFlash-2019-nCoV IgG iFlash-2019-nCoV IgA iFlash-2019-nCoV Ag iFlash-2019-nCoV NAb	<b>Thyroid</b> TSH Anti-TPO Anti-TSHR Tg Anti-Tg FT3 FT4 T3 T4 <b>Tumor Markers</b> PG I PG II AFP CEA CA 125 CA 15-3 CA 19-9 Free PSA Total PSA CYFRA 21-1 NSE <b>Anemia</b> Ferritin Folate Vitamin B12 <b>Cardiac Markers</b> CK-MB Myoglobin Troponin-I BNP <b>Bone</b> <b>Metabolism</b> 25-OH Vitamin D PTH <b>Metabolism</b> Insulin C-Peptide Cortisol ACTH Adiponectin <b>Liver Fibrosis</b> HA P III PN-P Col IV Laminin

New

\* Without CE



# Effective differential diagnosis



**CAN** offer more billed tests for one sample

Coming with more...

