





- > **Fast**
- > **Simple**
- > **Accurate**





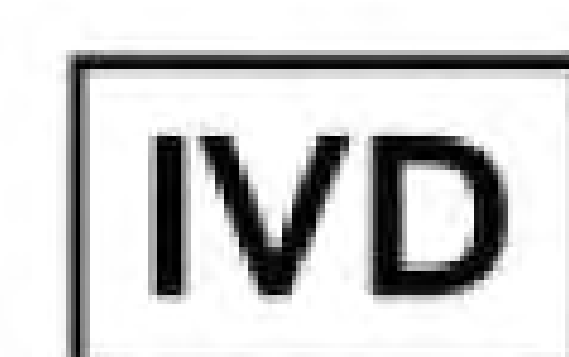
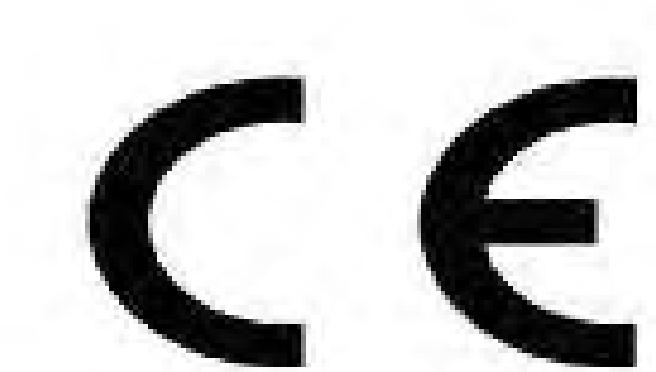
## Coagulation Analyzer MC100

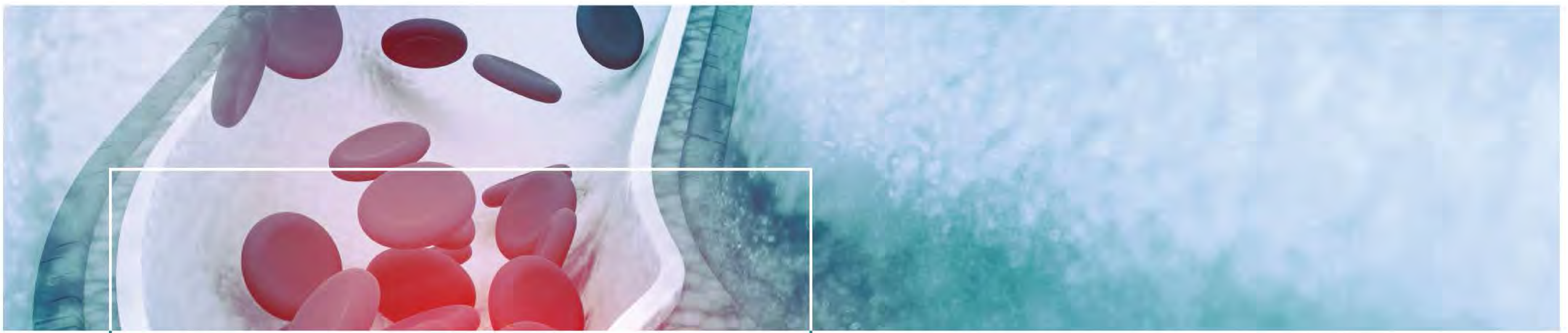
Whole blood sample, internal centrifuge, plasma reaction

POCT coagulation test platform

-  Lower interference
-  Visualization results

-  Compact and portable
-  Multiple methodologies





# Coagulation Analyzer MC100

## Technical Specifications

Test Items	PT, APTT, FIB, TT, DD, AT, FDP, ACT, Anti-Xa, ect.
Sample type	Whole blood, plasma
Available panel	Coagulation 4 Test Panel, Coagulation 5 Test Panel
Reagent type	Lyophilized reagent
Sample volume	180 $\mu$ L
Test time	$\leq$ 12min
Code identification	Automatic identification of QR code for reagent disc
Printer	Built-in thermal printer, also available to external printer ( with wireless printer drive)
Operating system	Android 5-inch (Version 5.1), distinguishability 720 $\times$ 1280, support LIS/HIS system
Size	270mm*180mm*155mm
Weight	$\leq$ 3KG

## Operation Process



1 Put disc in



2 Add sample and dilution solution



3 Click "start"



4 Output results

# Microfluidic discs



Whole blood sampling



Internal centrifuge & printer



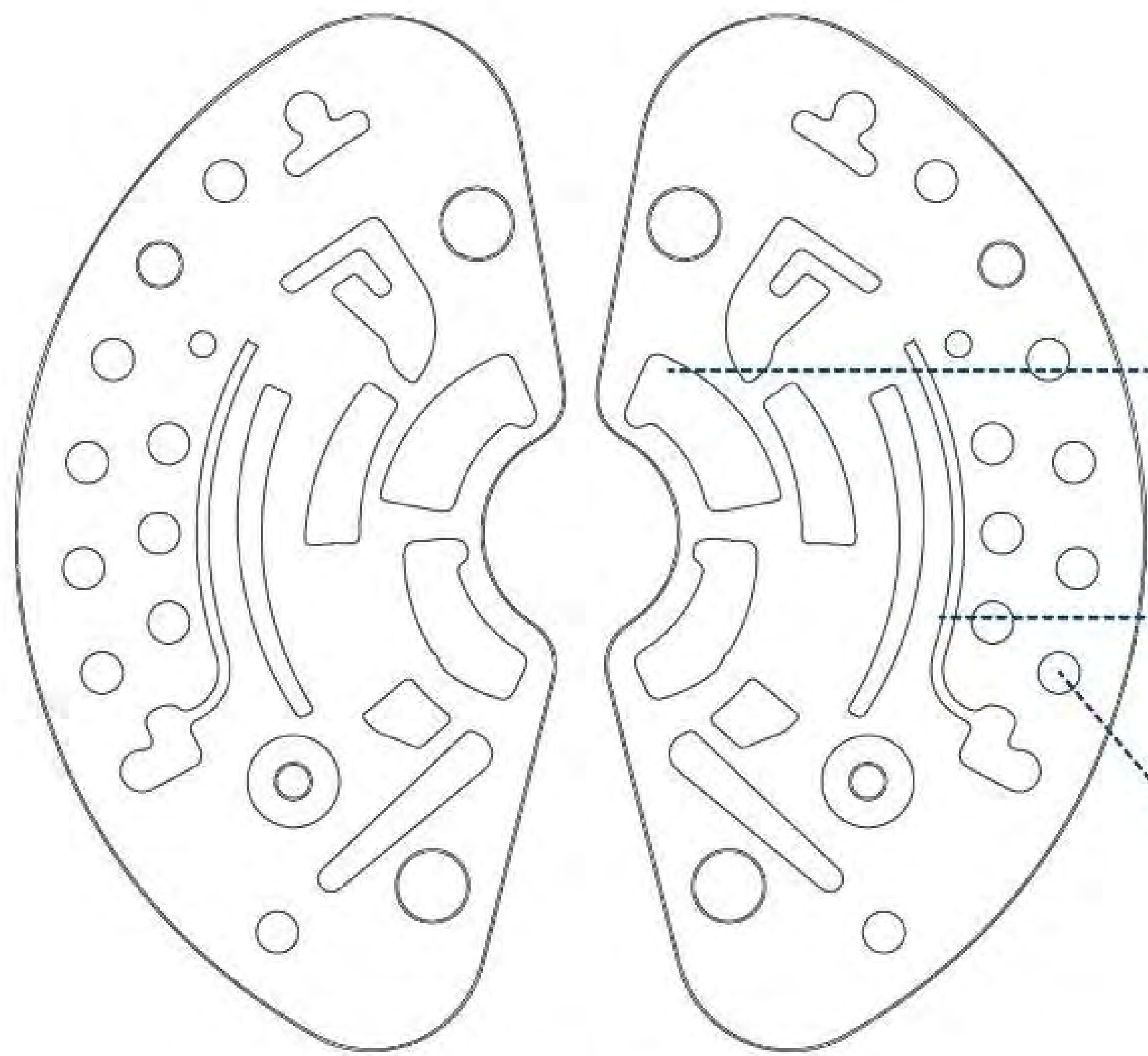
Rapid test speed: 10-15min



Easy connection: WIFI & RS-232 to LIS



Portable: only 3KG



Sample well: Whole blood & plasma

Centrifugal area: Whole blood can be centrifuged inside

Reagent well: Pre-packaged lyophilized reagent inside

# Application Scenarios



ICU



Primary hospital



Specialist clinic



Clinical departments



Ambulance & Field rescue



Private hospital



Ophthalmology



Dentistry



Maternity & Pediatrics



**Accessible health testing at your side**



Hotline: [86-571-88776525](tel:86-571-88776525)

Zhejiang Pushkang Biotechnology Co., Ltd.  
Science & Technology Park, No.398 Mahuan Road, Binhai  
New Area, Shaoxing, Zhejiang, P. R. China.

Email: [marketing@pushkang.cn](mailto:marketing@pushkang.cn)

Web: [www.pushkangbio.com](http://www.pushkangbio.com)



# Chemistry Analyzer

## MS100

Centrifugal microfluidic biochemical POCT test platform



- Free choice of multiple lyophilized discs, application of personalized medicine
- Instrument miniaturization, lyophilized reagent pre-packaged design
- Fast, accurate and portable





# Chemistry Analyzer MS100

## Technical Specifications

Sample type	Anticoagulant whole blood, plasma, serum
Test principle	Photoelectric colorimetry
Connection	On-line use of LIS system
Sample volume	140 $\mu$ L
Test time	$\leq$ 15min
Code identification	External barcode scanner, automatic identification of QR code for reagent disc
Reaction temperature	37 $\pm$ 0.5 C
Light source	LED lamp
Printer	With built-in thermal printer and external printer (wireless printer driver)
Operating system	Android 5.1 (5-inch)
Memory capacity	1GB, expandable 32GB TF Card
Supply voltage	AC100V-240V, 50-60HZ
Size	270mm*180mm*155mm
Weight	3KG, with built-in adapter

## Test Items

Liver Function	TP ALB GLO* ALB/GLO* ALT AST GGT ALP TBIL DBIL IBIL*
Glucose and Lipid	TG CHOL HDL-C LDL-C* GLU GSP*
Renal Function	ALB CRE UREA UA Ca <sup>2+</sup> PHOS CO <sub>2</sub>
Electrolyte 7	K <sup>+</sup> Ca <sup>2+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub> Mg <sup>2+</sup> PHOS
General Chemistry I	TP ALB GLO* ALB/GLO* ALT AST TBIL DBIL IBIL* TG CHOL HDL-C LDL-C* GLU CRE UREA UA
General Chemistry II	GLU AMY CRE UREA K <sup>+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub>
General Chemistry 9	TP ALB TBIL CRE UREA GGT AST ALT GLU GLO* ALB/GLO*
General Chemistry 13	TP ALB ALT AST TBIL DBIL UA UREA CRE GLU TG CHOL HDL-C IBIL* LDL-C* GLO* ALB/GLO*
Emergency Room 13	AST CK CK-MB LDH $\alpha$ -HBDH GLU AMY CRE UA K <sup>+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub>
Myocardial Enzyme	AST CK CK-MB LDH $\alpha$ -HBDH


\*Calculated / GSP\* means coming

## Microfluidic discs

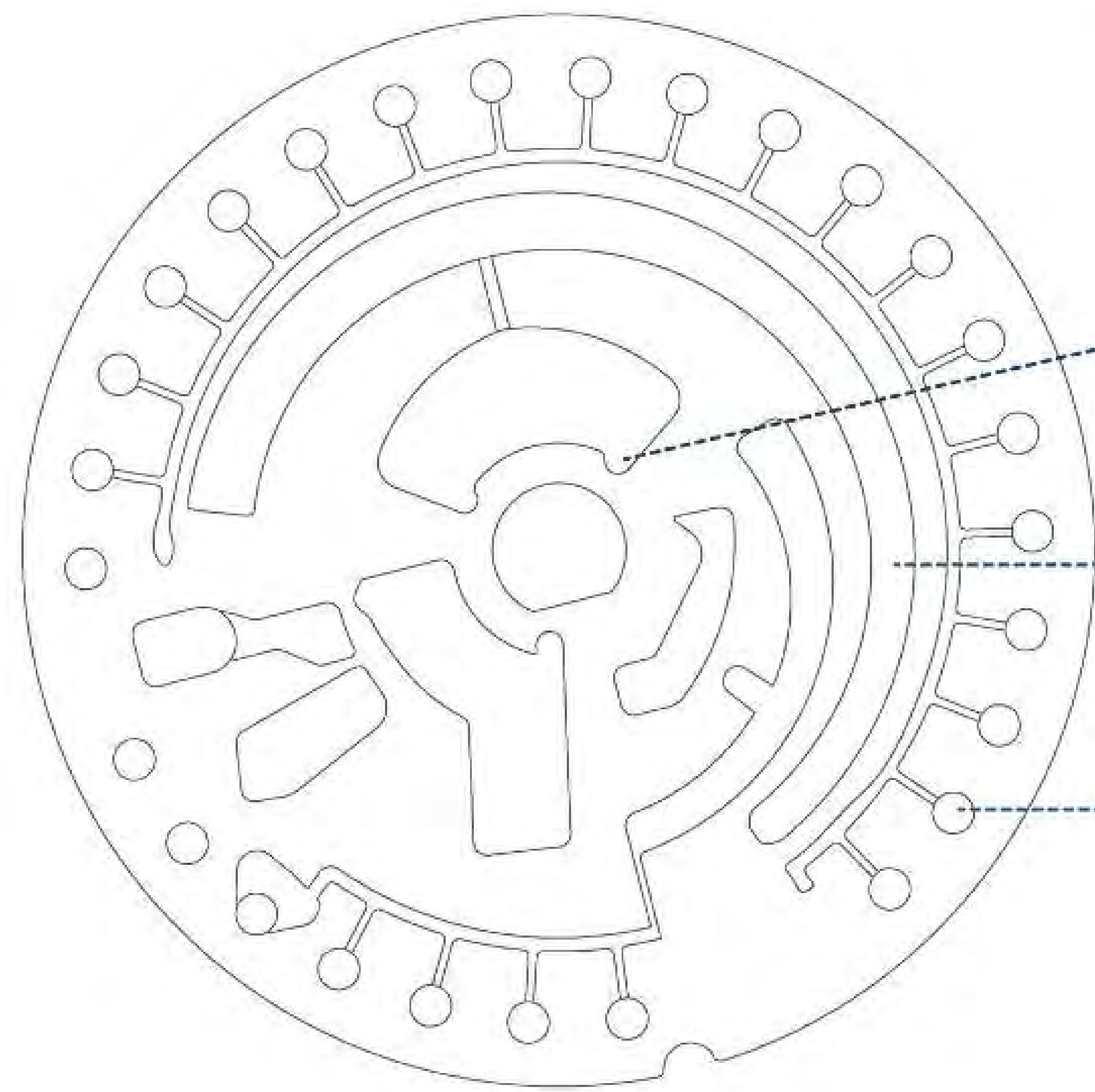
 Whole blood sampling

 Internal centrifuge & printer

 Rapid test speed: 10-15min

 Easy connection: WIFI & RS-232 to LIS

 Portable: only 3KG



Sample well: Whole blood & plasma

Centrifugal area: Whole blood can be centrifuged inside

Reagent well: Pre-packaged lyophilized reagent inside

## Application Scenarios



Emergency department



Primary hospital



Scientific research institution



Clinical departments



Mobile health care



Physical examination

## Operation Process



1

Put disc in



2

Add sample and dilution solution



3

Click "start"



4

Output results



**Accessible health testing at your side**



Hotline: [86-571-88776525](tel:86-571-88776525)

Zhejiang Pushkang Biotechnology Co., Ltd.  
Science & Technology Park, No.398 Mahuan Road, Binhai  
New Area, Shaoxing, Zhejiang, P. R. China.

Email: [marketing@pushkang.cn](mailto:marketing@pushkang.cn)

Web: [www.pushkangbio.com](http://www.pushkangbio.com)





## Automatic Coagulation Analyzer

### MC500



Whole blood sampling



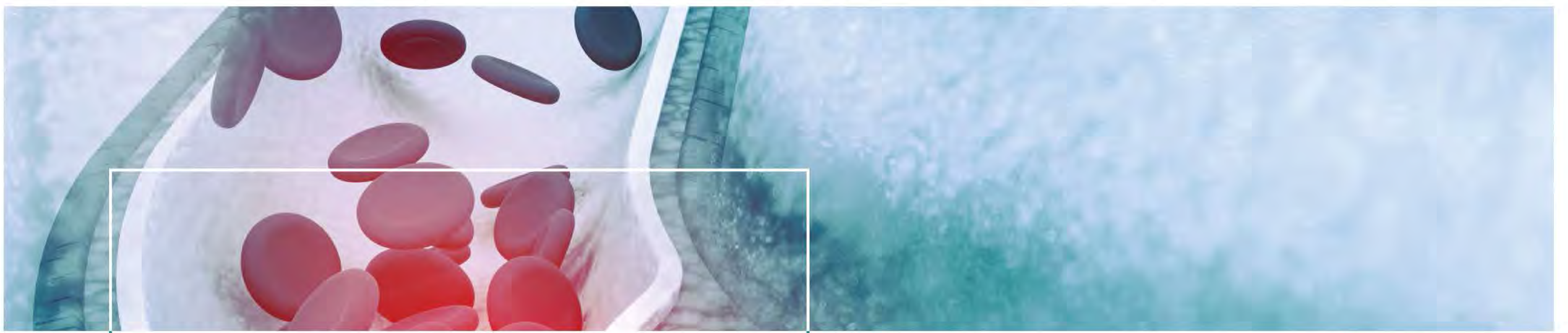
Internal centrifuge



Ready to use liquid reagent



Plasma reaction



# Automatic Coagulation Analyzer MC500

## Technical Specifications

Test principle	Coagulation method; Immunoturbidimetric
Test items	PT, TT, APTT, FIB, D-Dimer, FDP, ACT, Anti-Xa, ect
Sample type	Peripheral venous blood, plasma
Sample area	12
Test channel	24/30/36
Test speed	≥180T/H
Reagent storage	2~8 C
Reaction temperature	37±1 C
Operation system	Android system
Size	490mm(L) x 440mm(W) x 590mm(H)
Connection	External printer, LIS system



## Operation Process



1 Add sample



2 Put disc in



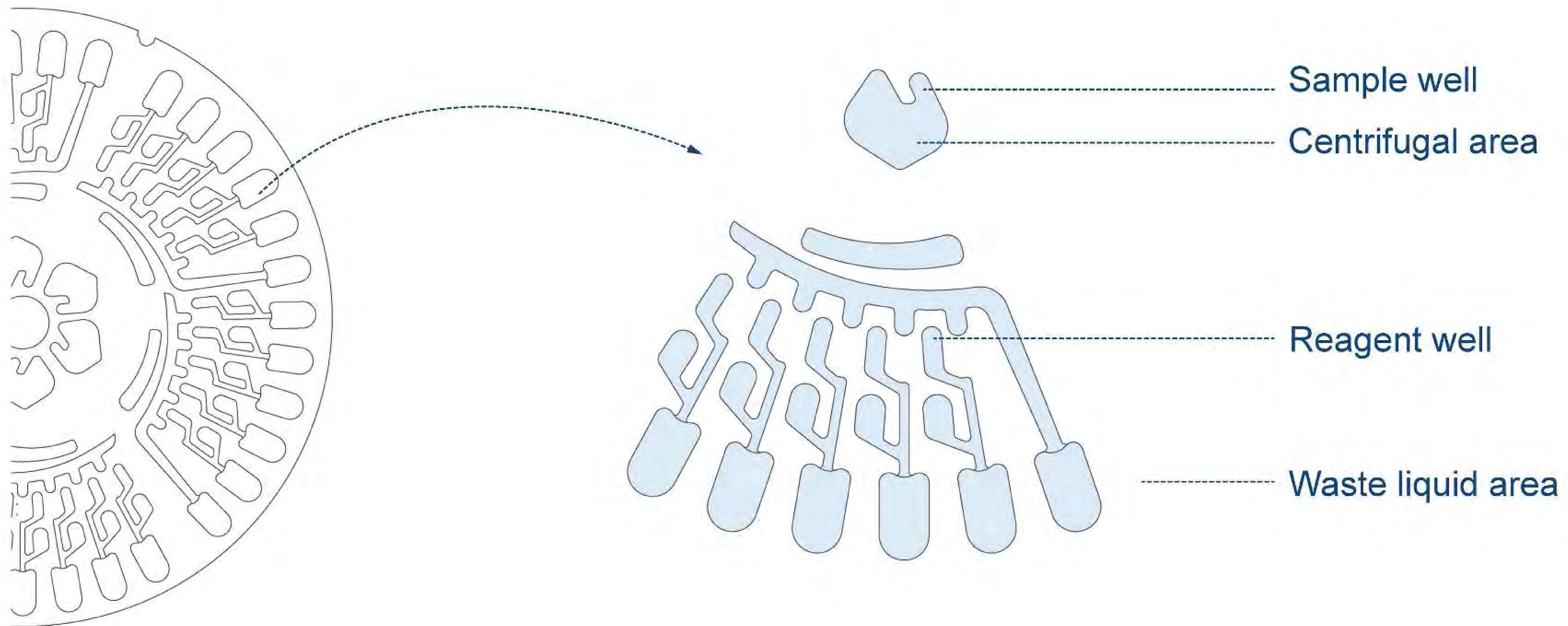
3 Select items



4 Output results

# Microfluidic discs

- Whole blood sampling
- Quantitative distribution
- Rapid mixing
- Accurate response
- Multi-person and multi-item test
- Flexible combination of test items



# Application Scenarios



ICU



Primary hospital



Specialist clinic



Pediatric hospital



Private hospital



Clinical departments



**Accessible health testing at your side**



Hotline: 86-571-88776525



Zhejiang Pushkang Biotechnology Co., Ltd.  
Science & Technology Park, No.398 Mahuan Road, Binhai  
New Area, Shaoxing, Zhejiang, P. R. China.



Email: [marketing@pushkang.cn](mailto:marketing@pushkang.cn)

Web: [www.pushkangbio.com](http://www.pushkangbio.com)



## Automated Chemiluminescent Immunoassay Analyzer MI600

-  Whole blood sampling
-  Quantitative distribution

-  Internal centrifuge
-  Plasma reaction

# Automated Chemiluminescent Immunoassay Analyzer

## Technical parameters

Test principle	Magnetism particulate immuno chemistry luminescence method
Sample Type	Peripheral venous blood, plasma, serum
Test items	PCT IL-6 BNP NT-proBNP cTnI MYO CK-MB PG I/II G17
Test channel	12
Sample area	12
Reagent area	5
Reagent storage	2~8℃
Reaction temperature	37±0.5℃
Size	480mm(L)x470mm(W)x590mm(H)
Connection	External printer、 connect with LIS system

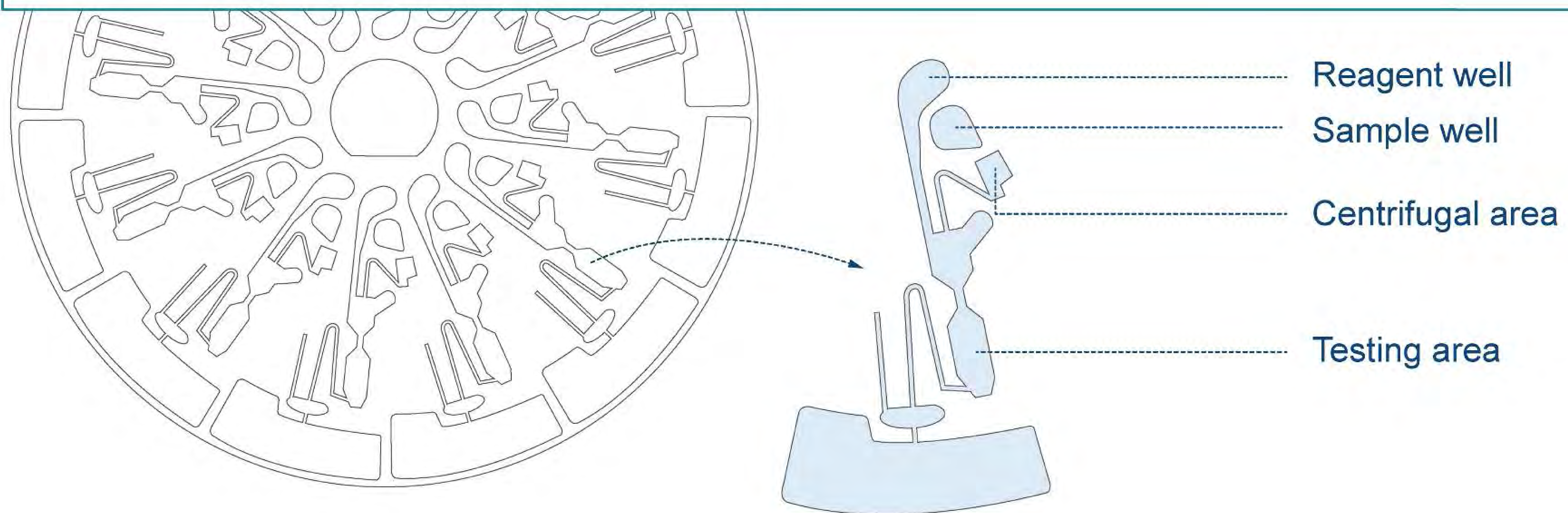


## Test items

Inflammatory infection	IL-6 PCT CRP* HBP*
Heart failure markers	BNP NT-proBNP
Myocardial infarction markers	cTnI MYO CK-MB cTnT*
Gastric function	PG I PG II G-17
Thrombus *	TAT TM PIC tPAI-C D-Dimer
Vitamins *	VD

“\*”means coming soon

## Microfluidic discs



## Application Scenarios



ICU



Primary hospital



Specialist clinic



Emergency department



Chest pain center



Cardiovascular department

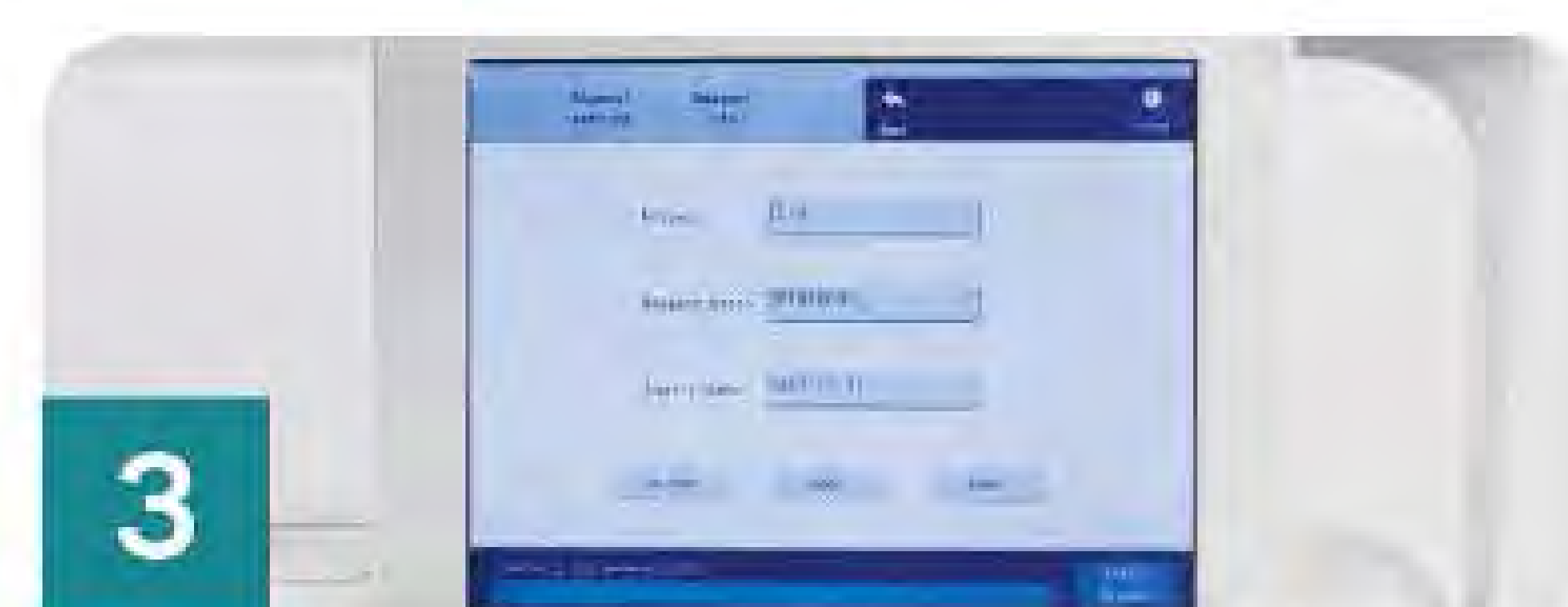
## Operation Process



1 Add sample



2 Put disc in



3 Select items



4 Output results



**Accessible health testing at your side**



Hotline: 86-571-88776525

Zhejiang Pushkang Biotechnology Co., Ltd.  
Science & Technology Park, No.398 Mahuan Road, Binhai  
New Area, Shaoxing, Zhejiang, P. R. China.

Email: [marketing@pushkang.cn](mailto:marketing@pushkang.cn)

Web: [www.pushkangbio.com](http://www.pushkangbio.com)



***Centrifugal Microfluidics  
Specialist***



**Total Solution of Microfluidics  
POCT**



## About US

Zhejiang Pushkang Biotechnology Co., Ltd, founded in 2014 by Dr.Yu Bo, is a high tech enterprise specialized in R&D, Production and Promotion for IVD product. With the core technology platform of Centrifugal microfluidics, Pushkang had successfully developed POCT products for Coagulation, Biochemistry, CLIA and Molecular tests, etc. All products had been approved by CE and NMPA under ISO13485.

Adhering to the mission of " Accessible health testing at your side ", Pushkang is committed to providing comprehensive, cutting-edge and easy to use microfluidic technology products for medical institutions, different level hospitals, emergency department, clinical department, mobile clinics, etc.

### Our mission

Accessible health testing at your side

### Our vision

Create a new model of IVD, promote the development of medical industry.

### Our goal

Taking advantage of world-leading microfluidic technology, Pushkang is committed to providing comprehensive, cutting-edge and easy to used microfluidic technology products for medical institutions, different level hospitals, emergency department, clinical department, mobile clinics, etc.

# *Microfluidics technology platform*

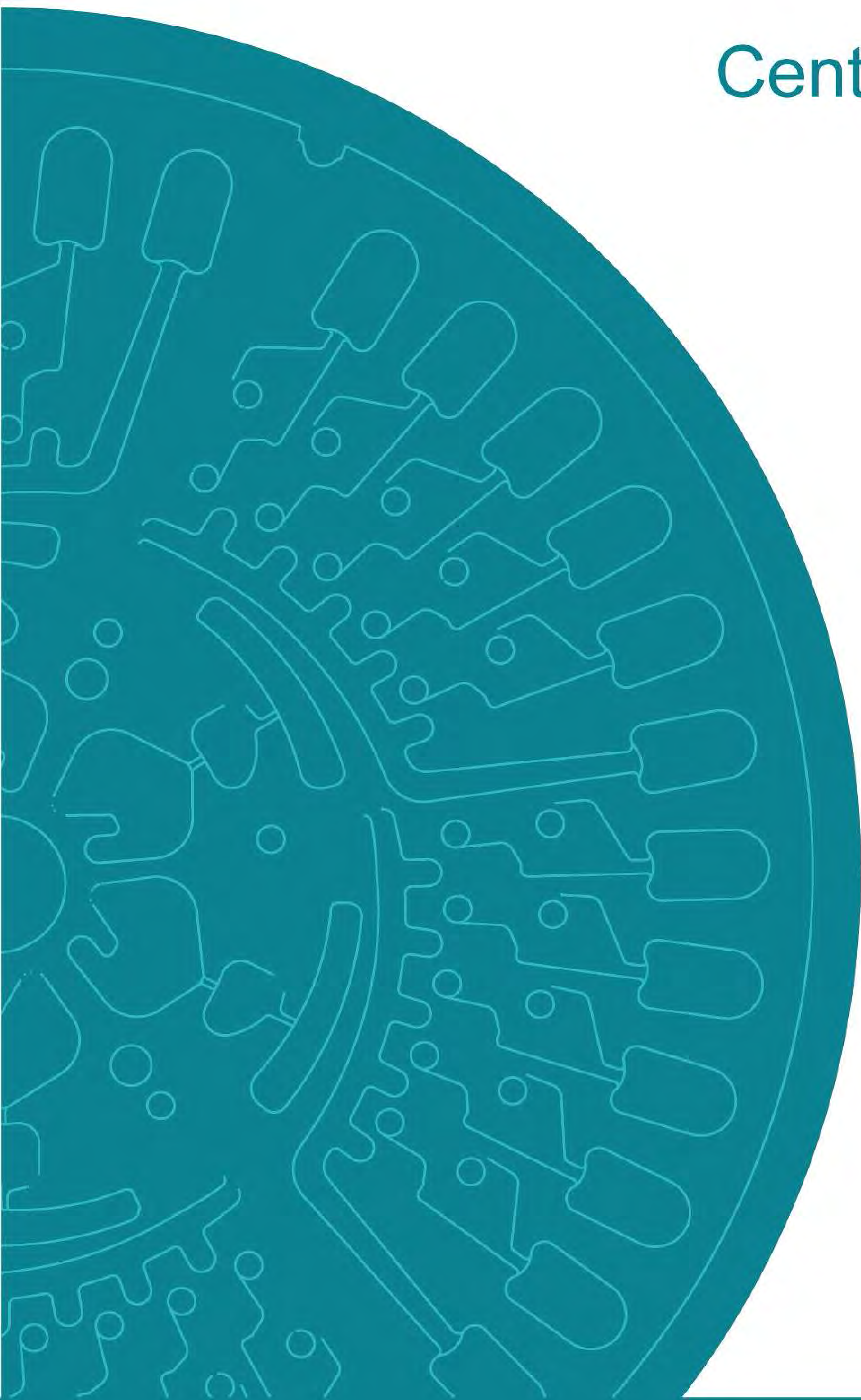
## Centrifugal microfluidics technology

Whole blood sampling

Internal Centrifuge

Quantitative distribution

Plasma reaction



# Coagulation Analyzer



## MC100 coagulation analyzer

- > Whole blood sampling
- > Visualization of results
- > Internal centrifuge
- > Lower interference
- > Multiple methodologies
- > Compact and portable

## Technical specifications

Test items	PT, APTT, FIB, TT, DD, AT, FDP, ACT, Anti-Xa, etc
Sample type	Whole blood, plasma
Reagent type	Lyophilized reagent
Test time	≤12min
Code identification	External QR code scanning, automatic identification of discs
Printer	Built in thermal printer, external printer (wireless printer driver)
Operating system	Android 5-inch (5.1 system), with a resolution of 720 * 1280, support online connection with LIS/ HIS system
Size	270mm*180mm*155mm
Weight	≤3KG, built-in adapter

# Coagulation Analyzer

## MC500 series, automated coagulation



MC500

- > With the sensitivity of the optical method and the anti-interference ability of the magnetic bead method
- > Fully automatic without manual intervention
- > Support automatic APTT mixing study
- > Automatic monitoring of reagents/consumables remaining
- > Various types of samples (venous whole blood, plasma, etc)

## Technical specifications

	MC500	MC510	MC550
Test principle	Coagulation method, immunoturbidimetry	Coagulation method, chromogenic substrate assay, immunoturbidimetry	
Test items	PT, APTT, FIB, TT, D-Dimer, AT, FDP, Xa etc	APTT mixing study	PT, APTT, FIB, TT, D-Dimer, AT, FDP, ACT, Xa etc
Sample type	Venous whole blood, plasma	plasma	Venous whole blood, plasma
Test channel	24/30	32	30/36
Test speed	PT≥180T/H	PT≥180T/H	PT≥210T/H
Light source	LED	LED	LED
Scanning identification	Support reagents, disc scanning	Support reagent, disc, sample scan (optional)	
Size	490mm*440mm*590mm	520mm*530mm*475mm	
Reaction temperature	37±0.5℃		
Reagent storage	2~8℃		
Connection	External printer, LIS system		
Operating system	Android system, visual operation interface		
Sample probe	Single-channel probe, with liquid level sensing function		
Data display	Intelligent generation of calibration curve		MC550



# Chemistry Analyzer



## MS100 chemistry analyzer

Centrifugal microfluidic biochemical POCT test platform

- > Free- choice of lyophilized disc packages, application of personalized medicine
- > Instrument miniaturization, lyophilized reagent pre-packaged design
- > Fast, accurate and portable

## MS200 chemistry analyzer

- > The instrument is intelligent and easy to operate
- > Standard addition, automatic dilution
- > Disc chip, long-term storage



## Test items

Liver Function	TP ALB GLO* ALB/GLO* ALT AST GGT ALP TBIL DBIL IBIL*
Glucose and Lipid	TG CHOL HDL-C LDL-C* GLU GSP*
Renal Function	ALB CRE UREA UA Ca <sup>2+</sup> PHOS CO <sub>2</sub>
Electrolyte 7	K <sup>+</sup> Ca <sup>2+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub> Mg <sup>2+</sup> PHOS
General Chemistry I	TP ALB GLO* ALB/GLO* ALT AST TBIL DBIL IBIL* TG CHOL HDL-C LDL-C* GLU CRE UREA UA
General Chemistry II	GLU AMY CRE UREA K <sup>+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub>
General Chemistry 9	TP ALB TBIL CRE UREA GGT AST ALT GLU GLO* ALB/GLO*
General Chemistry 13	TP ALB ALT AST TBIL DBIL UA UREA CRE GLU TG CHOL HDL-C IBIL* LDL-C* GLO* ALB/GLO*
Emergency Room 13	AST CK CK-MB LDH α-HBDH GLU AMY CRE UA K <sup>+</sup> Na <sup>+</sup> Cl <sup>-</sup> CO <sub>2</sub>
Myocardial Enzyme	AST CK CK-MB LDH α-HBDH

\*Calculated / GSP\* means coming

# CLIA Analyzer

## MI600 series, automated chemiluminescent immunoassay analyzer

- > Whole blood sampling, centrifugation inside
- > Micro-test, cost controllable
- > Flexible project test combination
- > Wide linear range, good repeatability



### Test items

Inflammatory infection	IL-6	PCT	CRP*	HBP*	
Heart failure markers	BNP	NT-proBNP			
Myocardial infarction markers	cTnI	MYO	CK-MB	cTnT*	
Gastric function	PG I / II	G-17			
Thrombus*	TAT	TM	PIC	tPAI-C	D-Dimer
Vitamins*	VD				

*\*\*"means coming soon*

### Technical specifications

Test principle	Magnetic particle chemiluminescence method	Reagent refrigeration	2~8 C
Sample type	Venous whole blood, plasma, serum, peripheral blood	Reaction temperature	37±0.5 C
Sample area	12	Size	480mm×470mm×590mm
Reagent area	5	Output mode	External printer, external LIS system



***Accessible health testing at your side***



**PUSHKANG** Zhejiang Pushkang Biotechnology Co., Ltd

Tel: 86-571-88776525

Email: [marketing@pushkang.cn](mailto:marketing@pushkang.cn)

Website: [www.pushkangbio.com](http://www.pushkangbio.com)

Add: Science and Technology Park NO.398, Mahuan Road, Binhai New Area, Shaoxing City, Zhejiang Province, P. R. China.