One-step fluorescence quantitative comprehensive solution▾—Maternal and Child Health Diagnosis Expert

Pro-med technology 普迈德

CONTENTS

About us

1. Pro-med established in 2013 which has two production, R&D bases in Beijing's Zhongguancun Science and Technology Park and Jiangsu China Medical City, 30 independent intellectual property rights, and 80 conventional product lines.

2. More than 10,000 m2 production area, 300 employees, the daily production capacity exceeds 3 million.

3. self-produced core IVD raw materials.

4. Pro-med have obtained CE certificates and China whitelists. It is expected to obtain the self-test of BfArm of Germany at the end of April.

5. The self-test list of France, Netherlands, Denmark, Austria and other countries are in application.

More than 80 product registration certificates

8000 square meters of production research and development site, 1000 square meters of GMP workshop

7 Technology Platforms

◆ 免疫胶体金平台

Immune Colloidal Gold Platform

◆ 免疫荧光平台

fluorescence immunoassay Platform

◆ 出/凝血诊断平台

Diagnostic platform for

bleeding/coagulation

◆ 化学发光平台

Chemiluminescence Platform

◆ 分子诊断平台

Molecular Diagnostics Platform
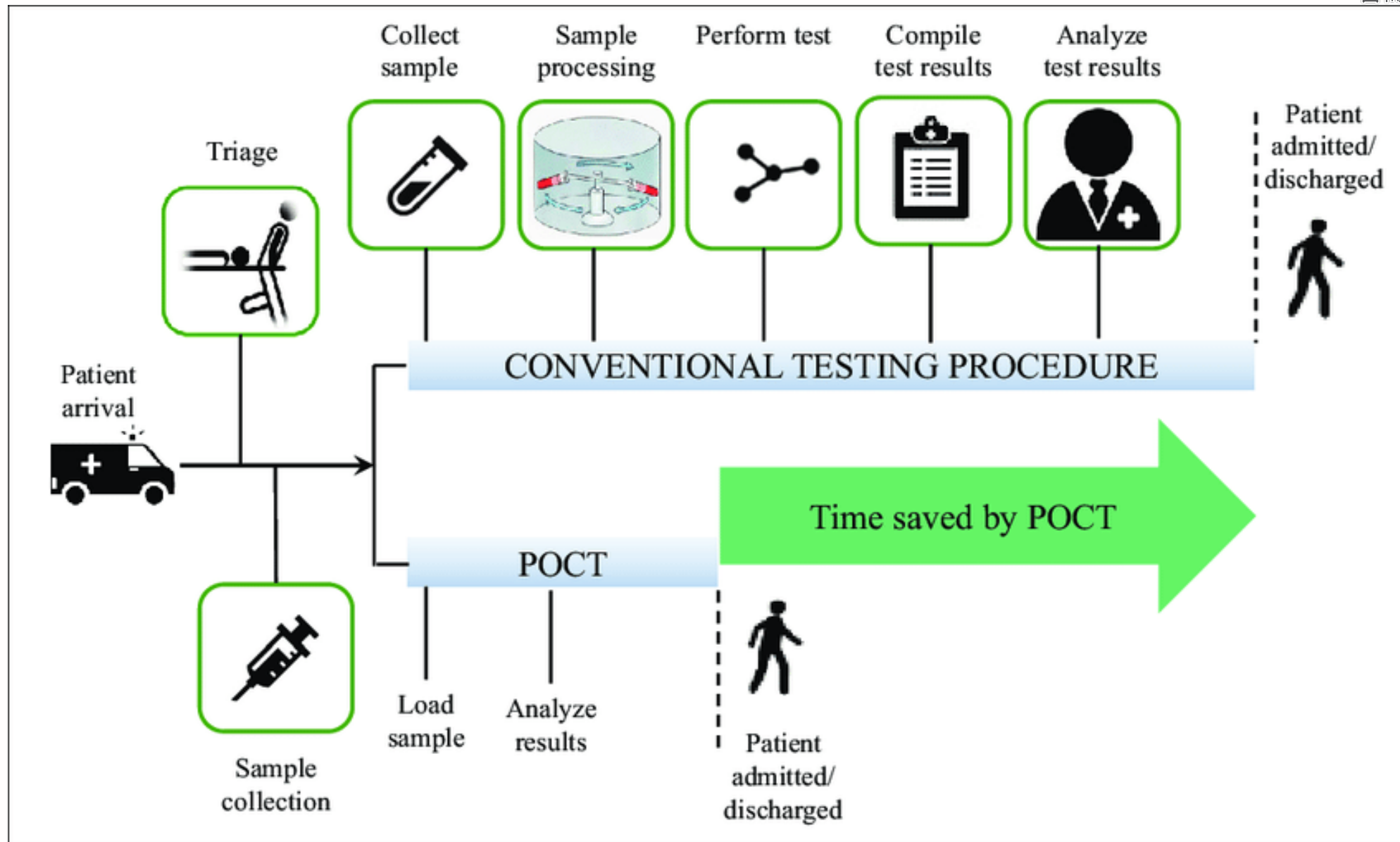
◆ 仪器平台

Instrument Platform

◆ 生物原材料平台

Biological Raw Material Platform

www.pmdt.com.cn

02 PART

PROJECT PROFILE

Collect sample — Sample processing — Perform test — Compile test results — Analyze test results — Patient admitted/discharged

Triage

Patient arrival

CONVENTIONAL TESTING PROCEDURE

POCT

Time saved by POCT

Sample collection

Load sample — Analyze results — Patient admitted/discharged

Highly demand

In a small space, in order to meet different inspection items, it is equipped with multiple machines and many operations.。

PMDT fluorescence immunoassay Analyzer

PMDT9800—
auto control

High quality

High quality scanner, colour screen, All in one printer
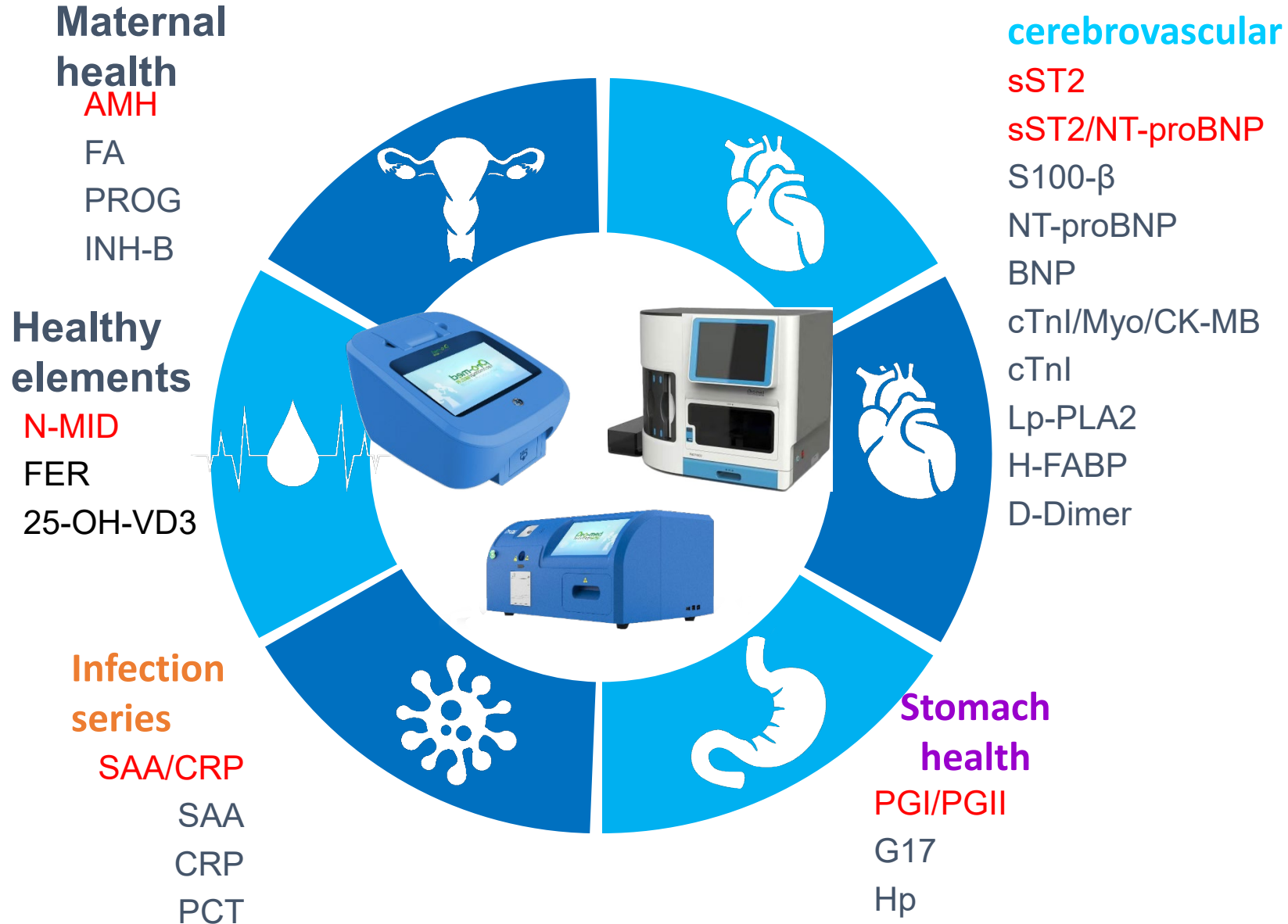
PMDT9000

High efficiency

Work together at the same time with 12 channel

PMDT9100-
multichannel

High intelligence

Auto insert card, auto scan

Featured Project Conventional Series Full coverage on one platform

Maternal health
AMH
FA
PROG
INH-B

Healthy elements
N-MID
FER
25-OH-VD3

Infection series
SAA/CRP
SAA
CRP
PCT

Cardio cerebrovascular
sST2
sST2/NT-proBNP
S100-β
NT-proBNP
BNP
cTnI/Myo/CK-MB
cTnI
Lp-PLA2
H-FABP
D-Dimer

Stomach health
PGI/PGII
G17
Hp

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PMDT Colloidal Gold Analyzer

PMDT8000

PMDT8100 Multi-channel

FER
VD

PGI/II
PGI
PGII
HP

β-HCG
LH
FSH

Health resources

stomach health

Gonad hormone

Relevant detection: maternal health core service

Infection series

Cardio cerebrovascular

Stomach health

SAA/CRP
SAA
CRP
PCT

NT-proBNP
cTnI/MYO/CK-MB
cTnI
D-Dimer

NGAL
CysC
MAU
β-MG

➢ **8000 & 8100 single platform can cover the detection of more than 20 kinds of markers, such as clinical common inflammation and infection, stomach health, cardiovascular and cerebrovascular, bone health, iron deficiency anemia, pregnancy detection, renal function detection, etc.**

PMDT9000

Simple

- Single platform integrates nearly 30 kinds of projects, one machine has multiple functions. The operation steps are simple, and the degree of automation is high Independent identification of the project, automatic detection Support printer, thermal paper, LIS system to produce results in a variety of ways

Fast

- The detection results were obtained in 5-15 minutes to meet the needs of emergency department 120 tests / h, suitable for general medical institutions 5-10 seconds after putting in the test card

Accuracy

- German advanced spectrum scanning technology is adopted Multiple detection substances can be traced to the international first-class standards

PMDT 9100 multichannel and 9800 auto control

High throughput

➢ Twelve-channel continuous work, simultaneous detection of different items
➢ Collect all more than 20 kinds of items, independently identify the items to be tested

Fast and accurate

➢ The machine will time automatically, and it will be detected immediately after the project response is completed
➢ 120 tests/h, which can meet the testing needs of a large number of samples
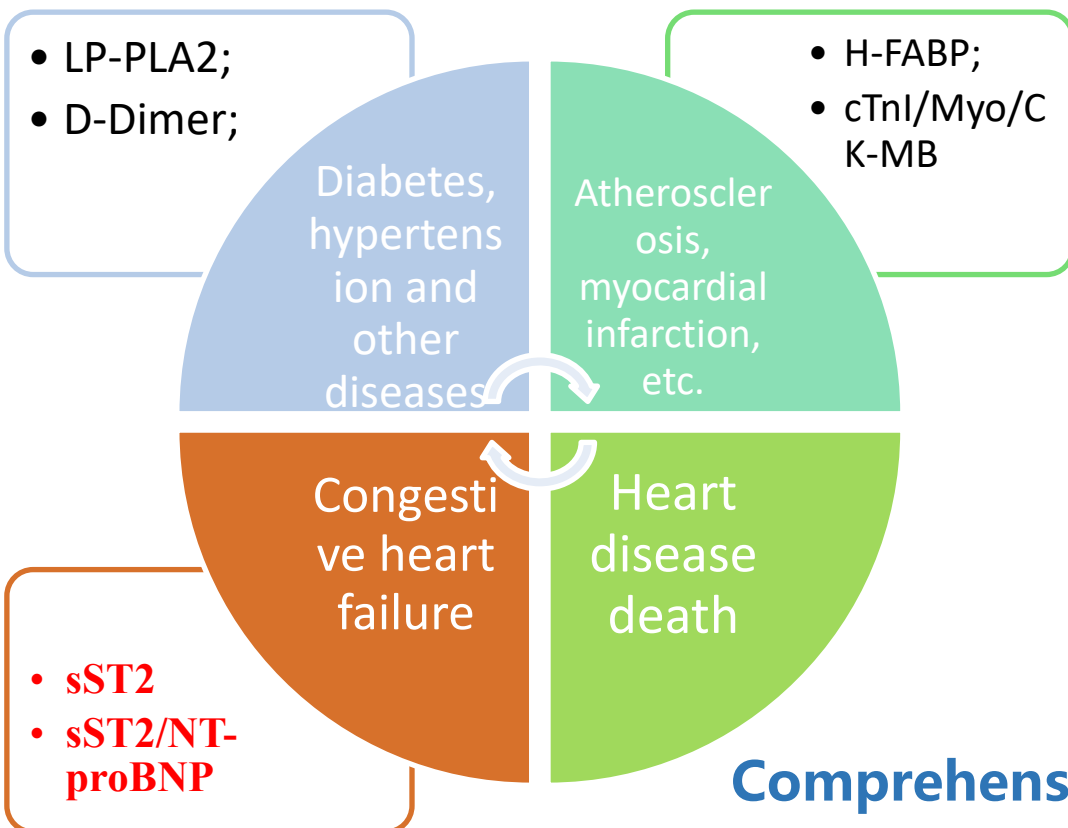➢ Germany imported spectral scanning technology

Human-computer interaction

➢ Variety of packages, flexible combination
➢ AI intelligence, integrated inspection system
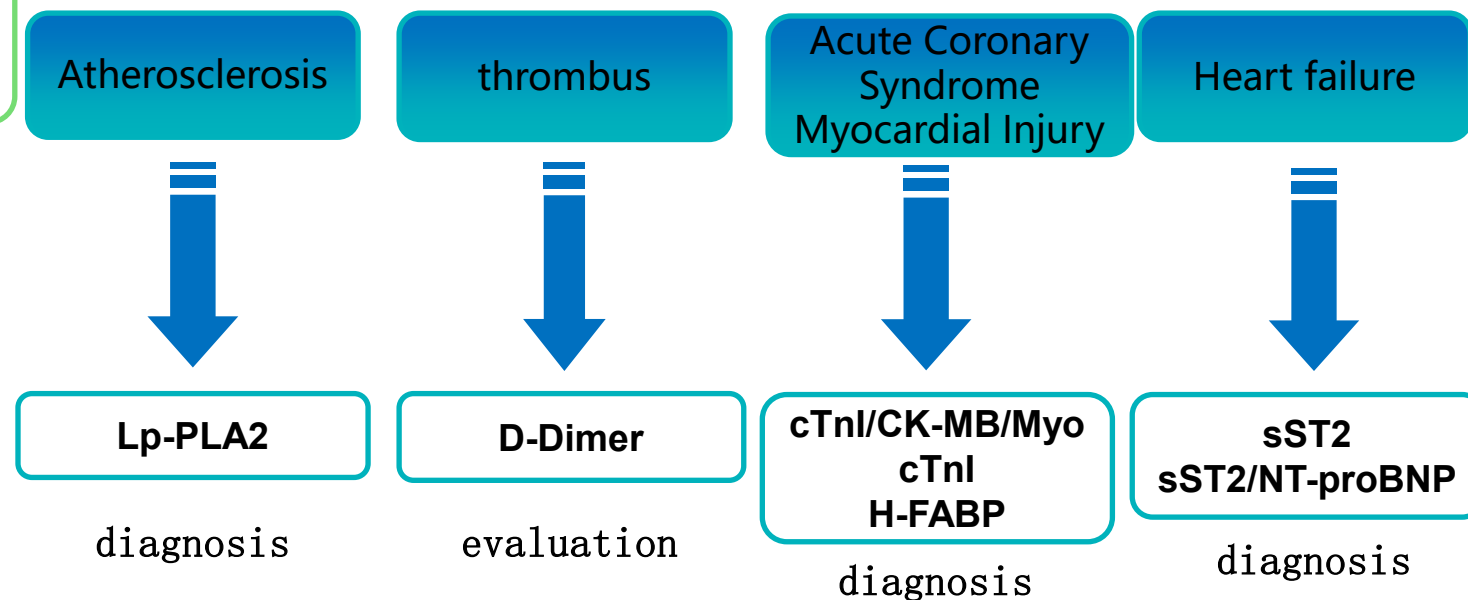➢ The inspection is fully automatic, and the operation burden is reduced

The most comprehensive cardiovascular marker

pro-med technology 普迈德
普而惟精 · 德为妇幼

- LP-PLA2;
- D-Dimer;

- H-FABP;
- cTnI/Myo/CK-MB

Diabetes, hypertension and other diseases

Atherosclerosis, myocardial infarction, etc.

Congestive heart failure

Heart disease death

- **sST2**
- **sST2/NT-proBNP**

Cardiology, Respiratory, Emergency, ICU, Chest Pain Center, etc.

Atherosclerosis	thrombus	Acute Coronary Syndrome Myocardial Injury	Heart failure
↓	↓	↓	↓
Lp-PLA2	D-Dimer	cTnI/CK-MB/Myo cTnI H-FABP	sST2 sST2/NT-proBNP
diagnosis	evaluation	diagnosis	diagnosis

Comprehensive and timely monitoring of thrombus, myocardial damage, and heart failure

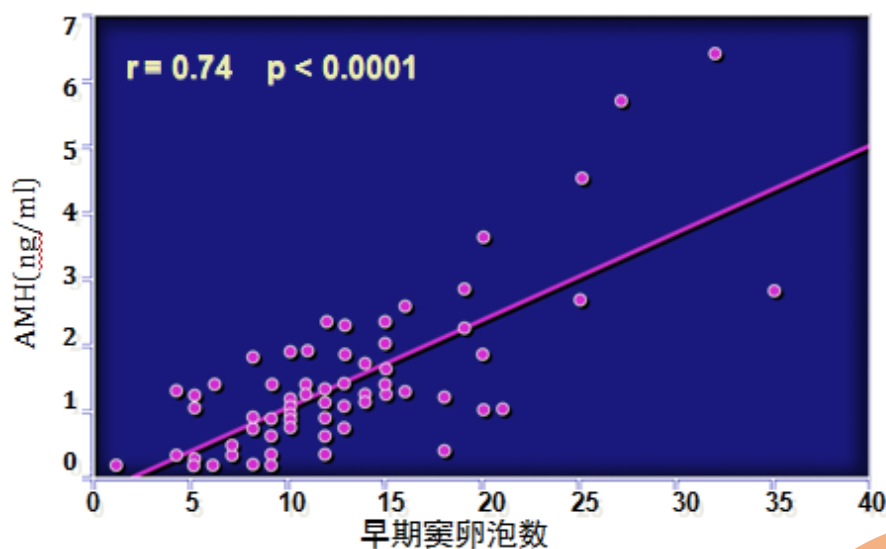**The most comprehensive heart failure package**

New Heart Standard 5 items tests

sST2/NT-proBNP+cTnI/CK-MB/Myo

sST2/NT-proBNP+sST2+NT-proBNP+BNP

Physical examination center, gynecology, reproductive center, endocrinology, etc.

Normal young women's AMH index is between 2-5

AMH与正常女性卵泡数的相关性

r = 0.74   p < 0.0001

AMH(ng/ml)

早期窦卵泡数

Ovarian function

Follicle

AMH

PROG

FA

Newborn

- Neural tube malformation
- Congenital heart disease
- Down syndrome
- Cleft lip and palate deformity

Pregnant woman

- Megaloblastic anemia
- Hypertension during pregnancy
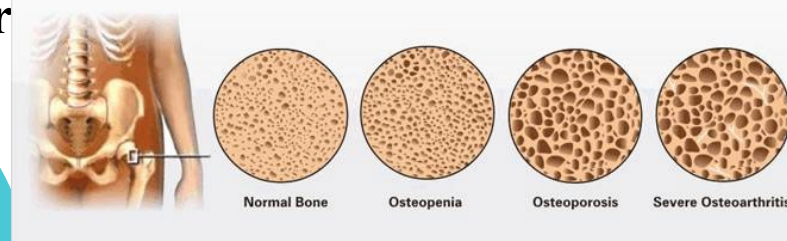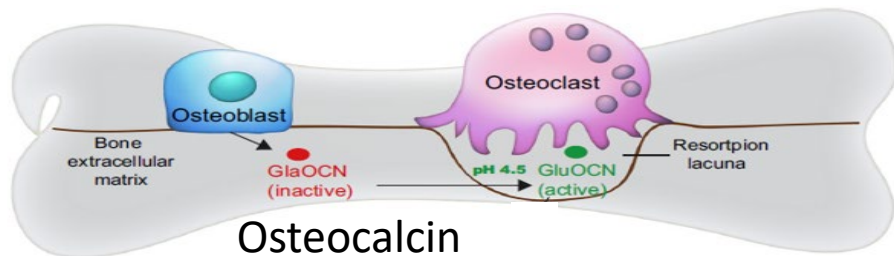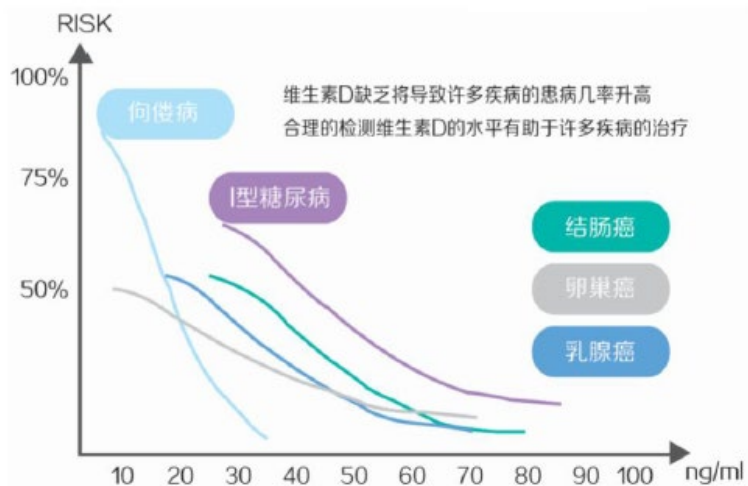- Normal young women's AMH index is between 2-5

Health elements

Physical examination center, pediatrics, gynecology, geriatrics

Osteocalcin

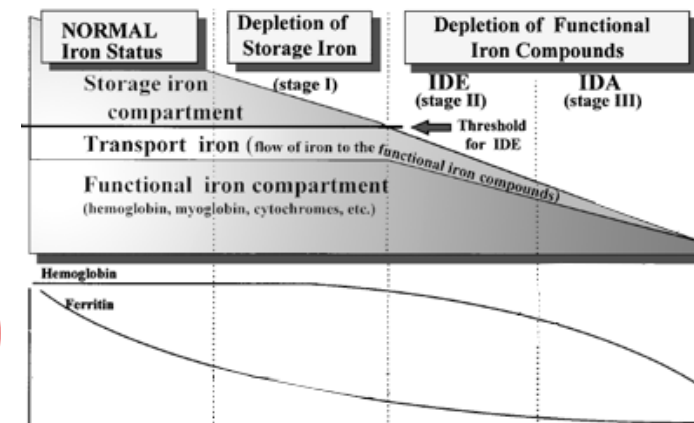N-MID

VD

FER

>**20ng/mL，normal**　　　　<**20ng/mL，low**

	FER	Hemoglobin	explain
normal	normal	**normal**	**normal**
Recessive iron deficiency period (ID)	**low**	normal	Depletion of iron reserves in the body
Iron deficiency anemia (IDA)	**low**	**low**	IDA iron deficiency anemia
IDA recovery period	normal	**low**	1. IDA recovery period: iron reserves increase first, but hemoglobin has not returned to normal due to the influence of the red blood cell life cycle. 2. Anemia combined with infection. 3. Other causes of anemia (deficiency of vitamin B6, riboflavin, and vitamin A)

➤ **judge**

< 10 ng/mL (25 nmol/L)	Lack
10-30 ng/mL (25-75 nmol/L)	Insufficient
30-80 ng/mL (75-200 nmol/L)	Adequate

PG I/PG II

1 Four items of gastric function

PGI + PGII + PGR + HP

2 PGI/II

微量血 ➤ 一张卡 ▶▶▶ PGI PGII PGR ➤ 三结果

Best Marker of Gastric Function

National Standards for Preliminary Screening of Gastric Cancer

PG I/II+ HP

screening

Superficial gastritis
Erosive gastritis
Stomach ulcer
Duodenal ulcer
Atrophic gastritis
Preliminary Screening
Index for Gastric Cancer

clinical

Hp treatment effect evaluation
Ulcer initiation, recurrence and healing
Recurrence after gastric cancer resection
Efficacy monitoring of atrophic gastritis

SAA + CRP = SAA/CRP

01

One card two result

Same machine

PMDT8000/PMDT810

02

03

Consistent inspection conditions

All use whole blood/serum/plasma samples

All use our custom sampler

A Differentiate local bacterial and viral infections

Detect SAA and CRP to make up for the disadvantage of no significant change in CRP level during virus infection

B Early diagnosis of infectious diseases

Emergency doctors can use the joint inspection to determine whether it is a virus or a bacterial infection in time to avoid misdiagnosis and unreasonable medication

C Effectively evaluate the severity of virus infection

SAA combined with CRP can realize the sensitivity, specificity, and positive predictive value of patient-related infections in emergency or outpatient departments
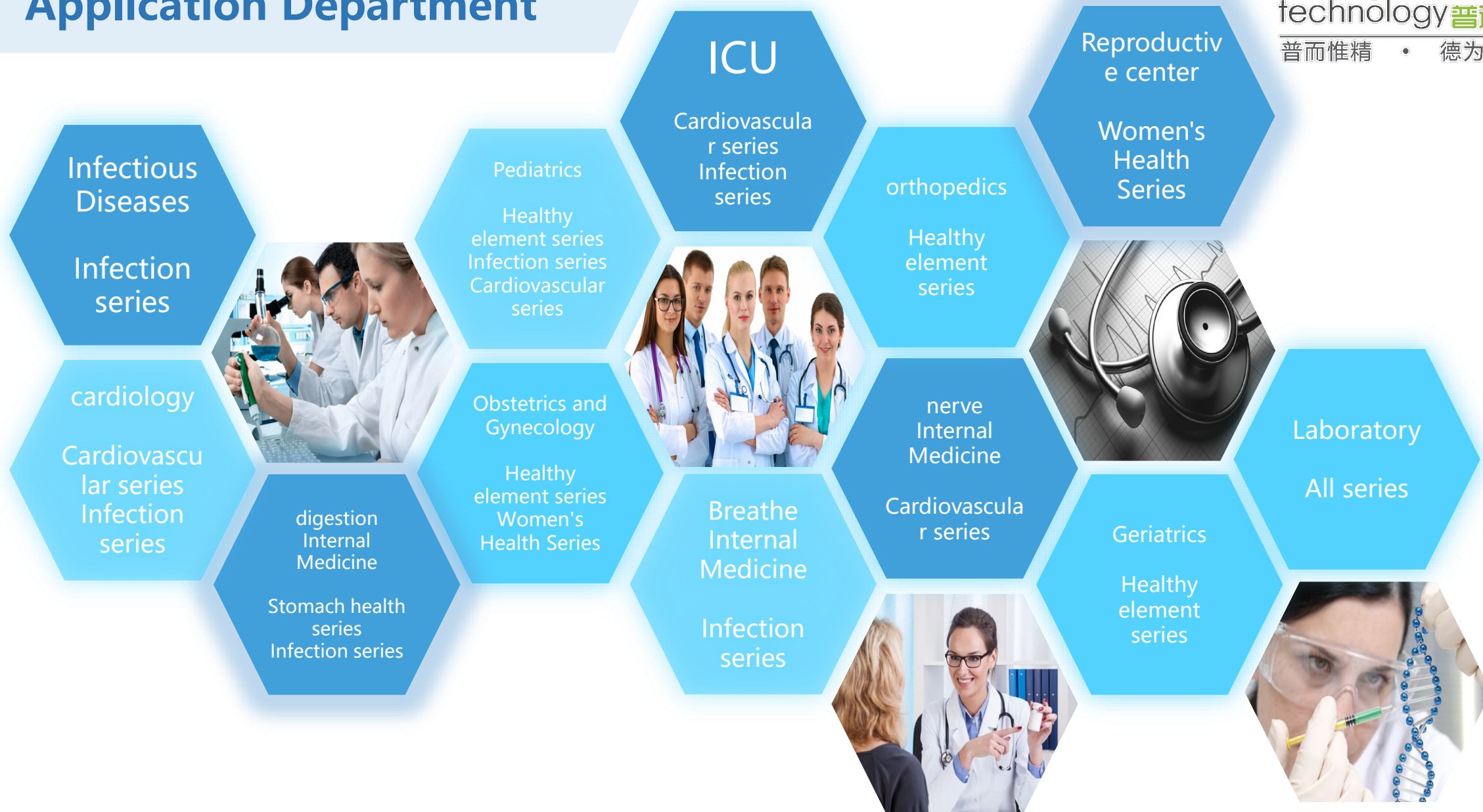
D Instruct the rational use of antibiotics

By judging the data of related parameters, the degree of prognosis recovery can be quickly analyzed to guide doctors in medication

Application Department

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Infectious Diseases

Infection series

ICU

Cardiovascular series
Infection series

Reproductive center

Women's Health Series

Pediatrics

Healthy element series
Infection series
Cardiovascular series

orthopedics

Healthy element series

cardiology

Cardiovascular series
Infection series

Obstetrics and Gynecology

Healthy element series
Women's Health Series

nerve Internal Medicine

Cardiovascular series

Laboratory

All series

digestion Internal Medicine

Stomach health series
Infection series

Breathe Internal Medicine

Infection series

Geriatrics

Healthy element series

Fluoroimmunoassay detection platform (PMDT* 9100 & PMDT* 9000)

Series	Product Name	Abbreviation	Simplified Clinical Significance
Maternal and Children	25-hydroxy vitamin D	25-OH-VD	Health evaluation of bone, immune and endocrine
	Ferritin	FER	Risk evaluation of iron deficiency anemia
	N-MID Osteocalcin	N-MID	Risk evaluation and classification of osteoporosis
	Anti-Müllerian Hormone	AMH	Health evaluation and reaction capability of ovary
	Folic Acid	FA	Risk evaluation of fetal malformation
	Progesterone	PROG	Precaution of abnormal gestation
	Human chorionic gonadotropin	β-HCG	Check of pregnancy
Infection & Inflammation	Human serum amyloid A protein/C-Reactive Protein	SAA/CRP	Simple classification of bacteria and virus infection
	Human Serum Amyloid A protein	SAA	Evaluation of inflammation
	C-Reactive Protein	CRP	Evaluation of inflammation
	Procalcitonin	PCT	Auxiliary diagnose of severe infection or sepsis
	Mycoplasma pneumoniae IgM/G	/	Simple classification of pneumonia pathogen
	Chlamydia pneumoniae IgM/G	/	Simple classification of pneumonia pathogen
	Interleukin-6	IL-6	Quickly determine inflammatory infections
Cardiac & Cerebral Vascular	Soluble growth stimulation expressed gene 2/N-terminal pro-B-type natriuretic peptide	sST2/NT-proBNP	Detailed management of heart failure
	Soluble growth stimulation expressed gene 2	sST2	severity and influence Evaluation of heart failure
	N-terminal pro-B-type natriuretic peptide	NT-proBNP	Auxiliary diagnose of heart failure
	B-type natriuretic peptic	BNP	Auxiliary diagnose of heart failure
	Cardiac troponin I/Creatine Kinase-MB/Myoglobin	cTnI/CK-MB/Myo	Auxiliary diagnose of acute myocardial infarction (AMI)
	Cardiac troponin I	cTnI	Auxiliary diagnose of acute myocardial infarction (AMI)
	D-Dimer	D-Dimer	Auxiliary diagnose of thrombotic disease
	S100-β protein	S100-β	Auxiliary diagnose of cerebral injury
	Lipoprotein-associated phospholipase A2	Lp-PLA2	Precaution of atherosclerosis
	Heart-type fatty acid binding protein	H-FABP	Early auxiliary diagnose of acute myocardial infarction (AMI)
Gastric Health	Pepsinogen I and pepsinogen II	PG I/PG II	Precaution and risk evaluation of severe gastric disease
	Gastrin 17	G17	Precaution and risk evaluation of severe gastric disease

PMDT9100

PMDT9000

05 PART

More equipment

PMDT Colloidal Gold Analyzer

PMDT8000

PMDT8100 Multi-channel

FER
VD

Health resources

PGI/II
PGI
PGII
HP

stomach health

β-HCG
LH
FSH

Gonad hormone

Relevant detection: maternal health core service

Infection series

SAA/CRP
SAA
CRP
PCT

Cardio cerebrovascular

NT-proBNP
cTnI/MYO/CK-MB
cTnI
D-Dimer

Stomach health

NGAL
CysC
MAU
β-MG

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Thanks for listening