



КАТАЛОГ

Медицинские изделия для диагностики IN VITRO



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 Contents

Immunoassay Analysis	03-08
Haemostasis Analysis	09-14
Immunohematology Total Solution	14-18
Molecular Diagnostics	18-24
COVID-19 Diagnostics	25-26

Company profile

Founded in 2011, Medcaptain Medical Technology Co., Ltd. (Medcaptain for short) is dedicated to pursuing innovation in 4 key fields: In-Vitro Diagnostics, Medication Delivery, Airway Management and Deep Vein Thrombosis Prevention.

Innovation is the driving force of Medcaptain. Medcaptain has been granted over 200 patents and the copyright for more than 15 software applications. Medcaptain's products are currently being extensively used in top-class hospitals across China, as well as in numerous medical institutions in over 100 countries.

Vision

To be captain in the medical device industry.

Mission

Closer to healthcare needs, to innovate medical technologies, to provide high quality services.

Immunoassay Analysis

Biomarkers associated with different kinds of disease are detected through antibody–antigen reaction and then guides treatment strategy.

- Immu F6 Automated Chemiluminescence Immunoassay System
- Rapid Test IGICAI



Immu F6 Automated Chemiluminescence Immunoassay System



Point-of-care Automated system utilizing **Acridinium ester** direct chemiluminescence technology, provides accurate quantitative results using whole blood. Suitable for emergency and clinical use.

Rapid Test



Rapid Test Kits

Flu A/Flu B/SARS-CoV-2 Antigen
SARS-CoV-2 Antigen
SARS-CoV-2 IgG/IgM
FluA/FluB*
RSV*
GAS*

Quick screening of diseases without any device through Colloidal Gold technology, it ensures convenient use to healthcare professionals at different point of care locations.

*Coming soon



Immu F6 Automated Chemiluminescence Immunoassay Analyzer

Point-of-care analyzer exceeding laboratory quality standards

CLIA Test Kits

	Cardiology	hs-TnI* , CK-MB, MYO, NT-proBNP, H-FABP, ST2, Lp-PLA2, BNP
	Inflammation	PCT, CRP+hsCRP, IL-6 , HBP, Ferritin, IFN- γ , TNF- α , Calprotectin, SAA, Anti-CCP
	Coagulation	D-Dimer , FDP
	COVID-19	SARS-CoV-2 IgG, SARS-CoV-2 IgM, SARS-CoV-2 NABs
	Tumor Markers	CA15-3, HER-2, CEA
	Hormones	β -HCG, Progesterone, AMH, INH-B
	Bone Metabolism	25-OH VD, iPTH, hGH

● On List
 ● Under Developing
 * cTnI available, hs-TnI coming soon

Point-of-care Automatic CLIA Analyzer

- Accurate, acridinium ester direct chemiluminescence analysis method
- Fully-automated, completely hands-free
- Individually packed reagents and single-use tips ensure precise results
- Easy to use with large touchscreen, intuitive operation system and LIS connection, etc.



- Compact and integrated, suitable for different situations, especially for emergency and clinical use
- Convenient, applicable to whole blood sample
- Fast, results available within 15 minutes*
- High-throughput, 6 independent channels

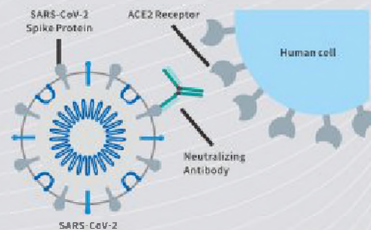
*18 min for SARS-CoV-2 NAbs
25 min for SARS-CoV-2 IgG and IgM

Easy 3-step operation



Innovated SARS-CoV-2 Neutralizing Antibody Test

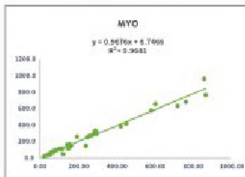
SARS-CoV-2 NAbs assay is a functional assay that measures and quantifies the virus-neutralizing antibodies that can stop COVID-19. It is a valuable tool in measuring vaccine efficacy in 18 minutes and it helps inform you if you have gained immunity through vaccination.



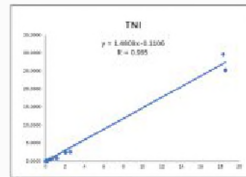
CLIA Test Kits

High-performance

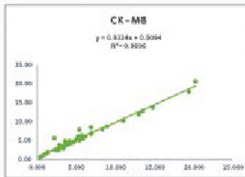
Immu F6 compared with the world's top fully-automated chemiluminescence system brands, coincidence rate is over 96%.



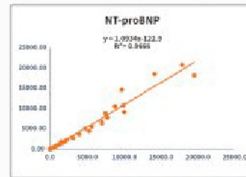
vs Roche
Cobas e411
R=0.9681



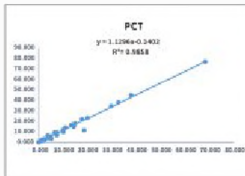
vs Abbott
i2000
R=0.995



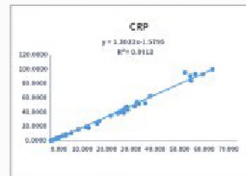
vs Roche
Cobas e411
R=0.9696



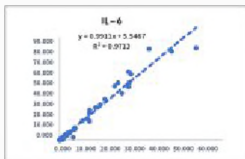
vs Roche
Cobas e411
R=0.9666



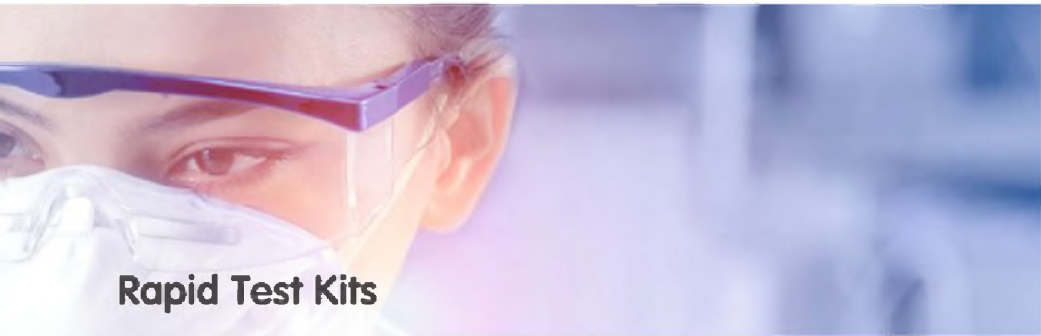
vs Roche
Cobas e702
R=0.9858



vs Roche
Cobas e411
R=0.9913



vs Roche
Cobas e411
R=0.9713



Rapid Test Kits

Value-added Function

- Colloidal gold labelling technology, no device required
- Fast, results available within 15 min
- Convenient to be used in different point of care locations or in resource-limited settings
- User-friendly, all necessary components included in kit



Comprehensive Assays



COVID-19

Flu A/Flu B/SARS-CoV-2 Antigen, SARS-CoV-2 Antigen, SARS-CoV-2 IgG/IgM



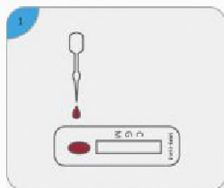
Respiratory Infection

FluA/FluB*, RSV*, GAS*

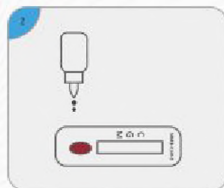
*Coming soon, and 30+ items under developing

Easy Operation

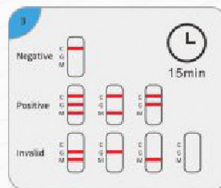
Steps for a SARS-CoV-2 IgG/IgM test



Add sample
10 µl (1 drop) Saliva/Plasma
or 70 µl of drop of Whole blood



Add sample diluent
80 µl (2-3 drops)



Wait for 15 minutes, check for C (control index) and read result



Haemostasis Analysis

Monitoring and analyzing the coagulation status of blood samples and assisting clinical evaluation of patients, thereby improving patients' outcomes.

- Haema T4 Haemostasis Analysis System
- Haema TX Fully-automated Haemostasis Analysis System
- Coagulation Test Kits

Haemostasis Analysis System



Haema T4
Haemostasis Analyzer



Haema TX*
Fully-automated Haemostasis Analyzer



Haemostasis
Test Assays

Whole blood analysis, by using **"Thromboelastography"** technology, provides physiological and comprehensive insight into patients' haemostasis process, so as to identify bleeding or thrombosis risks, guide blood transfusion, monitor anticoagulant and anti-platelet drugs treatment, etc.

Coagulation Test Kits*



PT	D-Dimer
APTT	FDP
TT	AT-III
FIB	

Conventional coagulation tests are used to check patients' coagulation function and identify the risk of bleeding or thrombosis.

*Coming soon



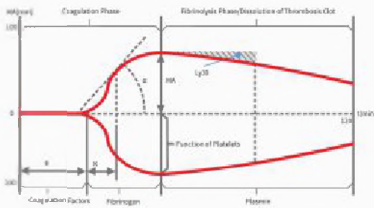
Haema T4 Haemostasis Analysis System

Improving Haemostasis Management & Saving Lives

State-of-the-art Haemostasis Analyzer

Providing a comprehensive coagulation profile in real-time using whole blood

- Comprehensive test menu with ACT and Platelet Function Test
- Compact and integrated, 4 built-in incubators and built-in barcode scanner
- Easy to use with large touchscreen, intuitive operation system, LIS connection, etc.
- Accurate, patented anti-vibration and DWM technology
- High throughput, 4 independent channels
- Simple operation with optional automated pipette



Test Menu

Item	Usage
Kaolin	Intrinsic coagulation function analysis
R-kaolin	Rapid intrinsic/extrinsic coagulation function analysis
Fib	Functional fibrinogen analysis
Hep	Heparin residue/resistance monitoring
AA	Anti-AA drugs (for example, Aspirin) efficiency monitoring
ADP	Anti-ADP drugs (for example, Clopidogrel) efficiency monitoring
AA&ADP	Dual-antiplatelet therapy monitoring
Controls	Device status monitoring



Haema TX Fully-automated Haemostasis Analysis System

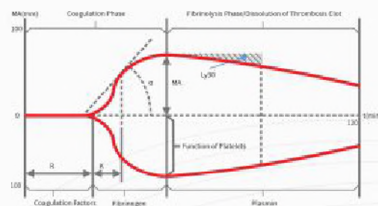
Efficient and Intelligent Coagulation Mapping



New Generation Haemostasis Analyzer

Providing a comprehensive coagulation profile in real-time using whole blood

- Fully automated, original tube loaded, easy to use
- Innovative laser detection method ensures accurate results
- Easy to use with large touchscreen, LIS connection, etc.
- Up to 30 samples can be loaded once, supports 50 minutes work-away
- High throughput, 12 independent channels
- Intelligent reagent management, 10 refrigerated reagent positions, including 4 automatic mixing positions



Test Menu

Item	Usage
Koalin	Intrinsic coagulation function analysis
R-koalin	Rapid intrinsic/extrinsic coagulation function analysis
Fib	Functional fibrinogen analysis
Hep	Heparin residue/resistance monitoring
AA	Anti-AA drugs (for example, Aspirin) efficiency monitoring
ADP	Anti-ADP drugs (for example, Clopidogrel) efficiency monitoring
AA&ADP	Dual-antiplatelet therapy monitoring
Controls	Device status monitoring





Immunohematology Total Solution

- BT-70 Fully Automated Blood Bank Analyzer
- BT-C2 & BT-H1 Semi-automated Blood Bank Workstations
- BT Gel System



BT-70 New Generation

Fully Automated Blood Bank Analyzer

Safety

- Closed waste management system
- Disposable tip pipetting, reducing contamination
- Double-side gel card interpretation

Accurate

- Improved barcode scanning, information traceability
- Automatic shaking for red blood cell reagents
- Smart gel card punching to avoid waste

Intelligent

- Continuous sample and consumable loading
- Touch screen with rocker arm, intuitive interface
- Continuous varied testing available for the same sample

Efficient

- Capacity for 288 gel cards, 96 samples, and 14 reagent vials
- Gel card whole box loading
- Immediate STAT function



BT Gel Cards

8-column agglutination technology (CAT) for Immunohematology

Perfectly works with

- Fully Automated Analyzer: Medcaptain BT-70
- Semi-automated solution: Medcaptain BT-H2 Incubator and BT-C1 Centrifuge



BT ABO-D confirms



BT ABO-DCE



BT Rh Pheno
(To identify the antigens of the Rh system)



BT-Combos
(For screening and identification of unexpected antibodies, crossmatch tests, etc.)

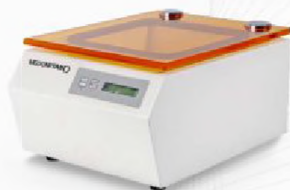


Medcaptain Semi-automated Solution



BT-C1 Centrifuge

- Capacity for 12 Gel cards
- Electronic control lock
- One-button operation
- Fixed parameter
- Timer function
- Alarm reminder



BT-H2 Incubator

- Capacity for 24 Gel cards
- Electronic control lock
- One-button operation
- Countdown function
- Alarm reminder



Molecular Diagnostics

Molecular diagnostics provides reliable evidence for disease diagnosis, guides medication therapy at the genetic level and enables genetic tumor-testing etc.

- Detection Kits (RT-PCR)
- EX48 Nucleic Acid Extractor
- MS series Automatic Nucleic Acid Extractor
- SKY series Real-time PCR System

Detection Kits (RT-PCR)



A variety of detection kits are available in order to meet different detection requirements.

Nucleic Acid Extractor



EX48
Nucleic Acid Extractor



MS-48
Automatic Nucleic Acid Extractor



MS-96
Automatic Nucleic Acid Extractor

Extractor adopts magnetic beads method, extracting DNA or RNA from a variety of samples efficiently.

Real-time PCR System



SKY48



SKY96

Real-time PCR System amplifies extracted samples and analyses the results.



SKY Series Real-time PCR System

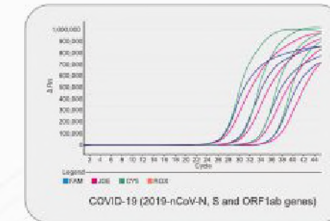


SKY48



SKY96

- Up to 48 or 96 tests at once
- Fast, heating rate of up to 8 °C/s
- Accurate, CV ≤ 0.5%
- Easy to use, large touchscreen and comprehensive data analysis
- Less-maintenance, power-off protection, etc.



Detection Kits (RT-PCR)



COVID-19 Detection Kits

COVID-19 & Flu A & Flu B & RSV*	Differentiate Flu A & Flu B & RSV from COVID-19 through only one test
COVID-19 & Flu A & Flu B	Differentiate Flu A & Flu B from COVID-19 through only one test
COVID-19 Triple (ORF1ab, N, S)	Detects 3 SARS-CoV-2 genes, including the most specific 5 gene
COVID-19 Dual (ORF1ab, N)	Detects 2 SARS-CoV-2 genes

*Respiratory syncytial virus

COVID-19 Variant Detection Kits

- SARS-CoV-2 Delta variant
- SARS-CoV-2 Delta plus variant
- SARS-CoV-2 DEL69/70
- SARS-CoV-2 N501Y
- SARS-CoV-2 K417N/K417T
- SARS-CoV-2 E484K/E484Q
- SARS-CoV-2 L452R
- SARS-CoV-2 T478K
- SARS-CoV-2 E484K

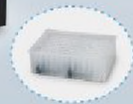
Other 300+ Items

- Flu A & Flu B
- Mycobacterium tuberculosis
- Mycoplasma pneumoniae & Chlamydia Pneumoniae
- Dengue Virus
- Malaria Parasite



EX48 Nucleic Acid Extractor

- High-precision, CV<5%
- High-efficiency, 48 samples per 10minutes
- Unique design of the collection chamber tip, extract up to 20 ul. of highly concentrated sample
- Safe, UV disinfection



MS Series Automatic Nucleic Acid Extractor



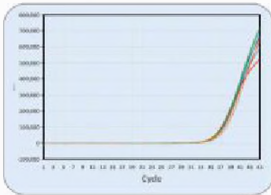
MS-48



MS-96

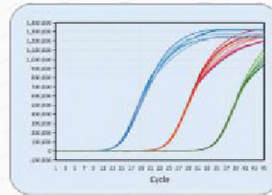
- Fully automatic, easy to use
- Fast, 48 or 96 samples per 100 minutes
- Accurate, precise micro pipetting; efficient magnetic bead adsorption
- Safe, UV disinfection, exhaust system
- Easy 2-step operation, sample, extraction reagents and PCR mix loaded, then primed and purified RNA removed (ready for PCR analysis)

High-performance



High sensitivity

The 400 copies/mL concentration sample was repeatedly extracted 20 times, and the positive rate was 100%.



High repeatability

Extraction is repeated 8 times for three different concentration samples of 1×10^4 IU/mL, 1×10^3 IU/mL, and 1×10^1 IU/mL, $CV < 3\%$.

SARS-CoV-2 Diagnostics

A full solution is provided to meet critical diagnostics needs to maximize both viral and serological testing.

- Immunoassay (CLIA) Solution with Immu F5
- Rapid Test Solution
- Molecular Test Solution

Immunoassay (CLIA) Solution with Immu F6

Performs reliable and rapid early screenings of individuals through Acridinium ester direct chemiluminescence technology.



Immu F6
Automated Chemiluminescence
Immunoassay Analyzer



IgG Test (CLIA)



IgM Test (CLIA)



Nabs (CLIA)

CLIA: Chemiluminescence

Rapid Test Solution

Device-free rapid tests provide fast answers regarding patient's infection status within 15 min at different point of care locations, as it recommended by WHO.



Rapid IgG/IgM Test



Rapid SARS-CoV-2 & Flu A &
Flu B Antigen Test



Rapid Antigen Test

Molecular Test Solution

PCR diagnostic solution provides reliable evidence of SARS-CoV-2 infection at the genetic level, as is recommended by WHO.



Detection Kits
(RT-PCR)



Exi 8
Nucleic Acid Extractor



NS-48/96
Automatic Nucleic Acid Extractor



SKY68
Real-time PCR system



SKY96
Real-time PCR system

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