



PRODUCT CATALOGUE

JINAN BABIO BIOTECHNOLOGY CO., LTD.

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Company profile

Jinan Babio Biotechnology Co., Ltd., founded in 2003, is a high-tech enterprise specializing in the research, development, production and sales of in vitro diagnostic reagents. The company was successfully listed on the NEEQ on May 30, 2014 (stock name: Babio, stock code: 830774), becoming the first domestic in vitro diagnostic reagent listed company after the expansion of the NEEQ. Babio has established a strict quality management system and passed the IS09001:2008 and ISO13485:2003 international quality system certification.

Babio is strong in technology, with international advanced automatic production equipment, workshop in strict accordance with the design standards, and reach ten thousand purification standards. At present, it owns 65 independent intellectual property rights, including 2 invention patents and 5 software copyrights. It has undertaken a number of provincial and municipal scientific and technological innovation projects.

The company's products mainly include virus sampling, rapid detection kits, microbial detection reagents, POCT detection reagents, biochemical diagnostic reagents, diagnostic equipment and so on. To date, the company's products of virus transport media, nasal/oral sterile sampling swabs, COVID-19 antigen and IGG/IGM rapid detection kits have been sold to more than 56 countries. And the quality of products has been recognized by the medical institutions and laboratories of various countries, the company has made a contribution for fighting against the Covid-19 epidemic for people all over the world.

Babio's corporate purpose is to care for human health, develop a magnificent career in medical technology, and achieve a successful life. According to the market needs of the company constantly improve technology, develop new products, do our best to meet the needs of customers. In the future, Babio will continue to strive for human health by providing better technologies and services.



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SARS-CoV-2 Antigen Rapid Detection Kit(Colloidal Gold Method)









ADVANTAGE

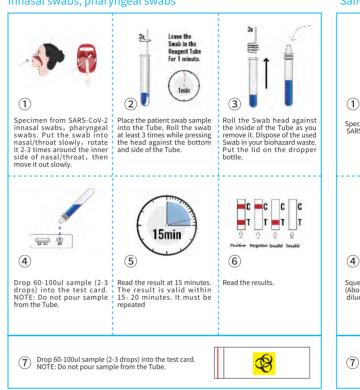
- 1. The detection time is short, and results are available within 15 minutes
- 3. Using imported raw materials, and the products have a high sensitivity and specificity
- 5. Simple and convenient operation, no special equipment and training are required
- 2.Use nasal swabs, nasopharyngeal swabs, throat swabs, and saliva samples
- 4.Ideal high-capacity new crown screening reagent, which can supplement Nucleic Acid testing
- 6.The product has passed many national certifications and laboratory tests

SPECIFICATION TYPE

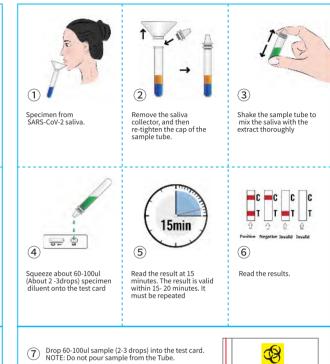
Specification:	1T/box, 5T/box, 10T/box, 20T/box, 25T/box, 50T/box, 100T/box		
Sample Types:	Nasopharyngeal swabs, nasal swabs, throat swabs and saliva samples		
Nasal Swab Type Test:	Sensitivity: 96.38%; Specificity: 100%		
Throat Swab Type Test:	Sensitivity: 97.41%; Specificity: 99.53%		
Saliva Type Test:	Sensitivity: 97.48%; Specificity: 99.65%		

TEST PROCEDURE



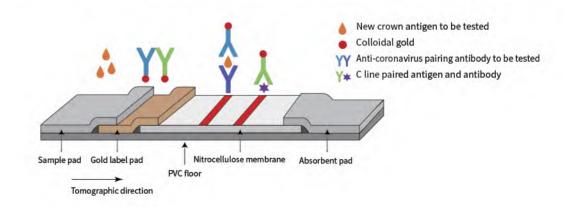






RESULT INTERPRETATION

- 1. Colloidal gold-labeled mouse nucleoprotein monoclonal antibody and quality control antibody complex.
- 2. Nitrocelulose membranes immobilied with test lines (T line) and one quality control line(C line)



4



SARS-CoV-2 IgM/lgG Test Kit(Colloidal Gold)





ADVANTAGES



SARS-COV-2 Positive/Negative Results in 15 Minutes



Works with Fingerstick, Whole Blood, Serum, or Plasma



Increased Screening with IgG and IgM Antibody Detection



Ideal High-Volume Screening Device to complement Nucileic Acid Tests

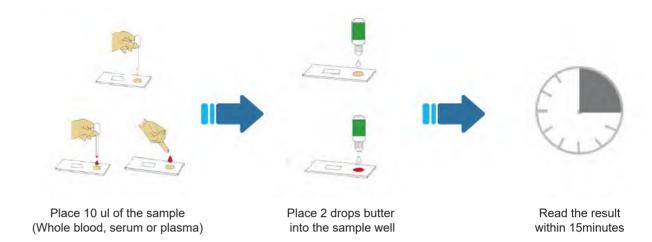


No special Equipment or training required

TEST PRINCIPLE

The SARS-COV-2 IgG/IgM Rapid Test Cassette(Whole Blood/Serum/Plasma)is a immunochromatographic assay. If the sample contains an IgG/IgM antibody of SARS-CoV-2, the antibody will bind to the colloidal gold labeled SARS-CoV-2 antigen, and the immune complex will be captured by the monoclonal anti-human IgG antibody or monoclonal IgM antibody immobilized on the nitrocellulose membrane to form a purple/red G line or M line, showing that the sample is positive for IgG or IgM antibody.

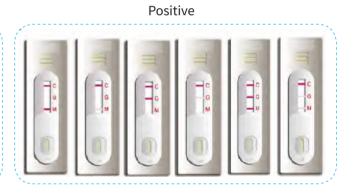
PROCEDURE



RESULTS INTERPRETATION







ORDER INFORMATION

COMPONENT NAME	1T/BOX	20T/BOX	25T/BOX	50T/BOX
DISPOSABLE DROPPER	1	20	25	50
SAMPLE DILUENT	0.5ml	4ml	5ml	10ml
DESICCANT	1	20	25	50
DISPOSABLE TEST CARD	1	20	25	50
INSTRUCTION MANUAL	1	1	1	1



SARS-CoV-2 Neutralization Antibody Test Kit (Colloidal Gold)





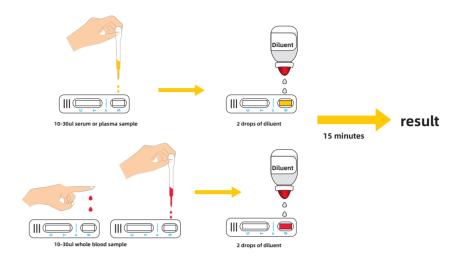
BRIEF INTRODUCTION

SARS-CoV-2 Neutralizing Antibody is a crucial marker for assessing the effectiveness of the COVID-19 vaccines. SARS-CoV-2 Neutralization Antibody Test Kit (Colloidal Gold) is an immunological diagnostic test used for detection of SARS-CoV-2 Neutralization Antibody based on the colloidal gold-immunochromatog-raphy assay. This method is rapid and convenient to use and requires few equipment. It can be performed within 15-20 minutes by minimally skilled personnel.

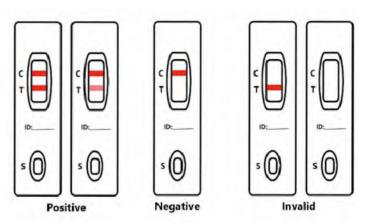
PRODUCT ADVANTAGES

- ①Results in 15 minutes, and the product is objective and efficient.
- ③Six product specifications to meet customer requirements.
- ② Product optimization, and it has a higher detection sensitivity.
- (4) Convenient sampling, convenient operation, and low requirements for personnel.

TEST PROCEDURE



INTERPRETATION OF THE RESULT



MODEL AND SPECIFICATION

COMPONENT NAME	1T/BOX	5T/BOX	10T/BOX	20T/BOX	25T/BOX	50T/BOX
DISPOSABLE DROPPER	1	5	10	20	25	50
SAMPLE DILUENT	0.5ml (0.5ml*1)	1.5ml (0.5ml*5)	2.5ml (0.5ml*10)	4ml (0.5ml*20)	5ml (0.5ml*25)	10ml (0.5ml*50)
DESICCANT	1	5	10	20	25	50
DISPOSABLE TEST CARD	1	5	10	20	25	50
INSTRUCTION MANUAL	1	1	1	1	1	1





Disposable Sampling Swab/Sterile Swab

INTEND USE

Intended for the collection of respiratory specimens by swabbing the oropharynx, the nasal cavity, the nasopharynx for the detection of viruses(e.g., influenza, SARS-CoV-2 ect.), and it is also applicable for sampling on wound and skin surface.



PRODUCT INTRODUCTION

Length	Breakpiont	Swab use	
105mm	With breakpiont at 2.3cm	For saliva sampling	
150mm	With breakpiont at 8cm	For anterior nasal sampling	
80mm	NO breakpiont; It can be broken at any part	For anterior nasal sampling	
90mm	With breakpiont at 5cm	For anterior nasal sampling	
90mm	With breakpiont at 5.2cm	For anterior nasal sampling	
120mm	NO breakpiont; it can be broken at any part	Used for sampling of anterior nasal cavity and saliva	
150mm	With breakpiont at 7.6cm	For oropharyngeal sampling	
150mm	With breakpiont at 8cm	For nasopharyngeal sampling	
150mm	With breakpiont at 3cm	For oropharyngeal sampling	

ADVANTAGE

- ① The unique design improves patient comfort.
- ② With anatomical design and soft brush texture, it can improve the amount of sample.
- ③ According to sampling requirements, sampling location and sampling characteristics, it can design a variety of different specifications of product. The product is sterile, so it has a safe sampling.
- ④ The sample from the flocked swab is dispersed into the liquid medium rapidly, and the sensitivity of the test is Increased.
- ⑤ It can be used with a variety of products, such as immunochromatography products, sampling tube products, nucleic acic detection products, disinfectant neutralizer products, and liquid culture media products.

MATCHING PRODUCTS



■ Sampling tube series products

- ① Virus Transport Kit (Non-inactivated)
- ② Virus Transport Kit(Inactivated)
- ③ Phosphate buffer solution(PBS)
- 4 Liquid Amies Media
- Sample release agent



■ Immunochromatography products

- ① SARS-CoV-2 Antigen Rapid Detection Kit(Colloidal Gold Method)
- ② SARS-CoV-2 Antigen Detection Kit (Latex immunochromatography)
- ③ SARS-CoV-2 Neutralization Antibody Test Kit (Colloidal Gold)
- 4 SARS-CoV-2 IgM/IgG Test Kit (Colloidal Gold)
- ⑤ Other Antigen/Antibody Rapid Detection Kit etc

Other products

- ① Aldehyde neutralizer
- **4** Lodine Neutralizer
- 7 Bromocresol Purple Glucose Peptone Water

- ② Phenolic and alcohol neutralizer
- ⑤ Disinfectant neutralizer
- 8 Broth medium

- 3 Chlorine neutralizer
- ⑥ D/E Neutralization Broth
- Thioglycollate medium



Babio ® Virus Transport Kit

INTENDED USE



For the stabilization, transportation and inactivation of infectious unprocessed samples suspected of containing viruses.

Available as filled tubes in bulk or as patient sample collection packs which can incorporate various combinations of filled tubes with either flocking swab (regular or mini tip) or polyester fiber swabs.

1 Virus Transport Kit (Non-inactivated)

ADVANTAGE



ROOM TEMPERATURE STABLE

UNIQUE MEDIA FORMULATION

VTM Improved formulation of hanks solution, combined with multiple antibiotics to inhibit the reproduction of bacteria and fungal flora; The Liquid Amies Media is non-nutritious, so that the transported specimens can be stored for a longer time.

SAFE AND RELIABLE FLOCKING SWABS UNIQUE BREAKPOINT DESIGN



SAFE, SHATTERPROOF, STAND UP TUBES

Thickened design, with distinctive internal conical shape enabling centrifugation of samples. No DNase, RNase and toxic residue.

MULTIPLE SPECIFICATIONS

specimen. small volume prevents sample dilution.

For collection, transport, maintenance and long term freeze storage of Virus.

TEST PROCEDURE



1. Put on gloves and protective clothing.



2. Collect specimen with swabs, such as nasopharynx swabs and oropharynx swabs.



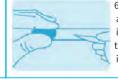
3. Aseptically remove cap from tube, insert swab into the tube with medium.



4. Break swab shaft by bending it against the tube wall evenly at the pre-scored line.



5. Replace cap on tube and close tightly.



6. Label with appropriate patient information, Send to the laboratory for immediate analysis.

5.2 Virus Transport Kit (Inactivated)

ADVANTAGE

SAFETY

Contains highly efficient lysate for rapid lysis and inactivation of viruses, eliminate biosafety hazards.

SIMPLICITY

Synchronous sampling and deactivation.

ROOM TEMPERATURE STABLE

Store at room temperature without refrigeration.

STABILIZED NUCLEIC ACID

Unique media-stable formulation, Long-term stable storage of nucleic acids.

MULTIPLE SPECIFICATIONS

Large media fill volume allows for multiple tests on the same specimen. small volume prevents sample dilution.

TEST PROCEDURE



Unscrew the cap

Collect specimen with swabs, such as nasopharynx swabs and oropharynx swabs. Remove cap from tube, insert swab into the tube with medium. Break swab shaft by bending it against the tube wall evenly at the pre-scored line. Finally, screw the cap tightly.



Label with appropriate patient information, Send to the laboratory for immediate analysis.







Secretion Swab or Sputum





Туре	Non-inactivated	Inactivated
Model	VTM, Liquid Amies Media, PBS, Normal Saline, VST-N	1, 11, 111
Specification	1ml/tube, 2ml/tube, 3ml/tube, 3.5ml/tube, 5ml/tube, 6ml/tube	0.2ml/tube, 0.5ml/tube, 1ml/tube, 2ml/tube, 3ml/tube
Package	Pkg of 20, Pkg of 50, Pkg of 100, Pkg of 200, Pkg of 300, Pkg of 500	Pkg of 20, Pkg of 50, Pkg of 100, Pkg of 200, Pkg of 300, Pkg of 500







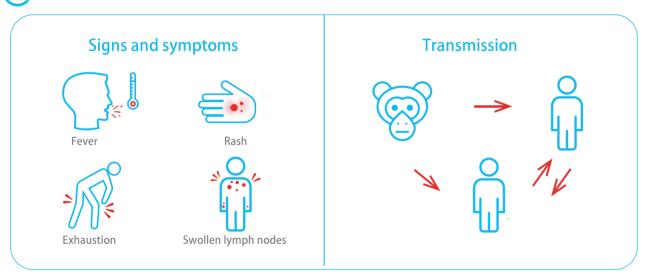
6 Monkeypox Virus Detection Kit

6.1 Monkeypox Virus Detection Kit (F-PCR)

SUMMARY AND EXPLANATION OF THE TEST

Monkeypox is a viral zoonotic disease with symptoms in humans similar to those seen in the past in smallpox patients. Monkeypox occurs in monkeys in the rain forests of central and western Africa, and can also infect other animals and occasionally humans. The clinical manifestations are similar to those of smallpox, but the disease is milder. The virus can be transmitted from animals to humans through direct close contact, and it can also spread from person to person. The main routes of infection include blood and body fluids. However, monkeypox is far less contagious than the smallpox virus.

BACKGROUND



PRODUCT SPECIFICATION

Component Name	1T/box	8T/box	12T/box	24T/box
PCR reaction solution	5μL/vial	40μL/vial	60μL/vial	120 μL/vial
Primer probe mixture	10μL/vial	80μL/vial	120μL/vial	240 μL/vial
Positive quality control	2μL/vial	16μL/vial	25μL/vial	50 μL/vial
Negative quality control	2μL/vial	16μL/vial	25μL/vial	50 μL/vial

6.2 Monkeypox Virus Antigen Detection Kit (Colloidal Gold Method)

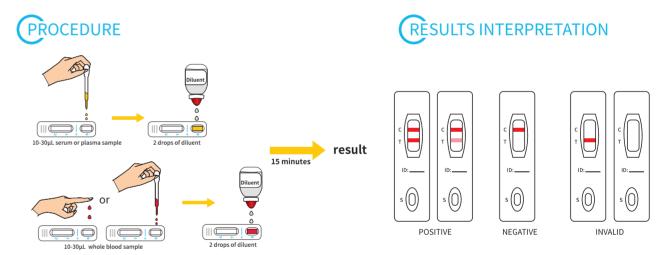
ADVANTAGES

- 1) The detection time is short, and results are available within 15 minutes.
- ② Use Serum, Plasma, Whole Blood and rash exudate samples.
- ③ Using imported raw materials, and the products have a high sensitivity and specificity.
- 4 Ideal high-capacity new crown screening reagent, which can supplement Nucleic Acid testing.
- (5) Simple and convenient operation, no special equipment and training are required.
- (6) Has been certifified by the European Union.

6.3 Monkeypox Virus Antibody Test Kit (Colloidal Gold)

ADVANTAGES

- ① The detection time is short, and results are available within 15 minutes.
- ② Use Serum, Plasma, Whole Blood samples.
- 3 Ideal High-Volume Screening Device to Complement Nucleic Acid Tests.
- 4 Simple and convenient operation, no special equipment and training are required.
- ⑤ Has been certifified by the European Union.



PRODUCT SPECIFICATION

Specification	1T/box	5T/box	10T/box	20T/box	25T/box	50T/box	
Sample types	Serum,Plasma,Whole blood						
Relative Sensitivity(%)	92.86%(95%CI:80.52%~98.50%)						
Relative Specificity(%)	99.37%(95%CI:96.52%~99.98%)						
Accuracy(%)	98.00%(95%CI:94.96%~99.45%)						



The Colloidal Gold Immunochromatography Technology

The colloidal gold immunochromatography technology is a new type of immunolabeling technology that uses colloidal gold as a tracer marker to be applied to antigens and antibodies. It is mainly used in the de tection and analysis of infectious diseases, myocardium, eugenics, and inflammation.

Advantages of the colloidal gold quick inspection products

Easy to operate Short detection time High sensitivity Strong specificity Stable results

7.1 Infectious disease series

Product picture	Product Name	Specification	Sample type	Intended use
brodenia 1980 - 1	Helicobacter Pylori (H.pylori) IgG/ IgM Test Kit (Colloidal Gold Method)	1T/box, 20Tbox, 25T/box, 50T/box	Serum, plasma or whole blood	It is used for the in vitro qualitative detection of Helicobacter pylori antibody IgG/IgM in human serum/plasma/whole blood samples.
A secret	Mycoplasma Pneumoni¬ae IgM Test Kit (Colloidal Gold)	1T/box, 20Tbox, 25T/box, 50T/box	Serum, plasma or whole blood	It is used for in vitro qualitative detection of IgM antibody in human serum, plasma or whole blood from individuals suspected of Mycoplas ma Pneumoniae.
Creditors.	Salmonella Typhi/Para- typhi A Antigen Detection Kit (Colloidal Gold Method)	1T/box, 20Tbox, 25T/box, 50T/box	Serum, plasma or whole blood	It is used for the qualita tive detection and differentiation of specific antigen against specific Salmonella typhi and paratyphi in human serum, plasma or whole blood.
tooling	Typhoid IgG/IgM Test Kit (Colloidal Gold Method)	1T/box, 20Tbox, 25T/box, 50T/box	Serum, plasma or whole blood	It is used for the qualita tive detection and differentiation of specific IgM and IgG antibodies against specific Salmo nella typhi antigen in human serum, plasma or whole blood.
babia	Human Rotavirus Antigen Test Kit (Colloidal Gold)	1T/box, 20Tbox, 25T/box, 50T/box	Stool	It is used for the rapid detection of rotavirus antigens in human stool specimen.
bigain and a second a second and a second and a second and a second and a second an	Adenovirus Antigen Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box, 100T/box	Nasal swab, Throat swab, saliva or fecal	It is used for the qualitative detection of Adenovirus in nasal swab, throat swab, saliva or fecal speci men.

Product picture	Product Name	Specification	Sample type	Intended use
badia	Influenza A/B Antigen Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box, 100T/box	Nasal swab, Throat swab, Saliva	It is used to be used for the qualitative detection of Influenza A virus, and Influenza B virus in nasal swab, throat swab, or saliva specimens.
COOKS COOKS	Dengue Rapid Test Kit (Colloidal Gold)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma or Whole blood	It is used for the qualitative detection and differentiation of antigen, IgM antibody and IgG antibody to dengue virus in human serum, plasma or whole blood.
tractions Output Description Descriptio	Respiratory Syncytial Virus IgM Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma or Whole blood	It is used for in vitro qualitative detection of IgM antibody in human serum, plasma or whole blood from Individuals suspected of Respiratory Syncytial Virus.
boldio	Coxsackievirus B IgM Test Kit (Colloidal Gold)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma or Whole blood	It is used for the in vitro qualitative detection of Coxsackievirus B lgM antibodies in human serum, plasma and whole blood.
brille	Fecal Occult Blood Test Kit (Colloidal Gold)	1T/box, 20Tbox, 25T/box, 50T/box	Stool	Is an in vitro qualitative immunochromatographic assay for the rapid detection of human hemoglobin in feces as an aid in assessing gastrointestinal (GI) bleeding.
broken and a second a second and a second an	Enterovirus 71 (EV71)-IgM Detection Kit	1T/box, 20Tbox, 25T/box, 50T/box	Serum, plasma, or whole blood	It is intended to be used as a screening test and provides a preliminary test result for early diagnosis and management of patients related to infection with EV71.
herio management	Vibrio Cholerae Antigen Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box, 100T/box	Stool	It is intended to be used as a screening test and provides a preliminary test result to aid in the diagnosis of Vibrio cholerae infections.
to colored	Gonorrhea Test Kit (colloidal gold method)	1T/box, 20T/box, 25T/box, 50T/box	Excretion	Is a rapid chromatographic immunoassay for the qualitative detection of Neisseria gonorrhoeae in female cervical swab and male urethral swab specimens to aid in the diagnosis of Gonorrhea infection.
balays balays balays and and and and and and and and and and	Treponema Pallidum Antibody Test Kit (Colloidal Gold)	1T/box, 5T/box, 10T/box, 20T/box, 25T/box, 50T/box	Serum, plasma, or whole blood	Is intended for qualitative detection of antibodies to Treponema pallidum (TP) in whole blood, serum and plasma samples.
Secretaria	Tuberculosis IgG/IgM Rapid Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma, or whole blood	It is intended to be used as a screening test and provides a preliminary test result for early diagnosis and management of patients related to infection with Tuberculosis.



Product picture	Product name	Specification	Sample type	Intended use
books	HAV IgG/IgM Rapid Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma, or whole blood	Is a lateral flow immunoassay for the qualitative detection of antibodies (IgG and IgM) to Hepatitis A Virus (HAV) in serum, plasma or whole blood samples.
South Services	Filariasis IgG/IgM Test Kit (Colloidal Gold)	1T/box, 20T/box, 25T/box, 50T/box	Serum, plasma, or whole blood	The Filariasis IgG/IgM Test Kit (Colloidal Gold) is a lateral flow immunoassay for the simultaneous detection and differentiation of IgG and IgM anti- lymphatic filarial parasites (W. Bancrofti and B. Malayi) in human serum, plasma or whole blood.
Consideration Consideration The State of t	Malaria P.f/P.v Antigen Combination Test kit (Whole blood)	1T/box, 5T/box, 10T/box, 20T/box, 25T/box, 50T/box	Whole blood	This product is used for in vitro qualitative detect of circulating antigens of P. falciparum (P.f), P. vivax (P.v) in whole blood.
is my	Combo of SARS-COV-2 / FLU A and B / RSV Antigen Rapid Test Kit(Colloidal Gold Method)	1T/box, 2T/box, 5T/box, 20T/box, 25T/box, 50T/box	Nasal swab, throat swab, saliva	The product is used for the qualitative detection of SARS-COV-2, flu A+B,RSV infection.
	Combo of SARS-COV-2 / FLU A and B Antigen Rapid Test Kit (Colloidal Gold Method)	1T/box, 2T/box, 5T/box, 20T/box, 25T/box, 50T/box	Nasal swab, throat swab, saliva	The product is used for the qualitative detection of SARS-COV-2, flu A+B infection.
bobio CE	Monkeypox Virus Detection Kit (F-PCR)	1T/box, 8T/box, 12T/box, 24T/box	Plasma/rash exudate; Exudate of plasma, rash/ scab/blister/ pustular	This kit can be used for the diagnosis of related diseases caused by monkeypox virus infection in clinical or scientific research by specifically detecting the nucleic acid fragments of monkeypox virus.
boblo	Monkeypox Virus Antibody Test Kit (Colloidal Gold)	1T/box, 5T/box, 10T/box, 20T/box, 25T/box, 50T/box	Serum, plasma, or whole blood	Monkeypox Virus Antibody Test Kit (Colloidal Gold) is intended for qualitative detection of antibodies to monkeypox virus antibody in whole blood, serum and plasma samples.

Product picture	Product name	Specification	Sample type	Intended use
bobio	Monkeypox Virus Antigen Detection Kit(Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box	Human serum, plasma or whole blood samples or rash exudate	Monkeypox Virus Antigen Detection Kit (Colloidal Gold Method) is a lateral flow immunoassay for the qualitative detection of monkeypox virus antigen in human serum, plasma or whole blood samples or rash exudate.

7.2 HCG Test

Product picture	Product Name	Specification	Sample type	Intended use
tradeo	Human Chorionic Gonadotropin Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box, 100T/box	Urine	It is used in vitro qualitative urine testing women in human chorionic gonadotropin (HCG), Auxiliary diagnosis for the early weeks of pregnancy.

7.3 Myocardium Series

Product picture	Product Name	Specification	Sample type	Intended use
	Troponin I/Myoglo- Bin/Creatine Kinase MB Detection Kit (Colloidal Gold Method)	1T/box, 20T/box, 25T/box, 50T/box, 100T/box	Serum, plasma or whole blood	It is used for the qualitative detection of myoglobin (Myo), creatine kinase MB (CKMB)and cardiac troponin I (cTnl)in human serum, plasma or whole blood, and can be used for clinical auxiliary diagnosis of acute myocardial infarction (AMI).
babio	Procalcitonin (PCT) Test Card(Colloidal Gold)	1T/box, 20T/box, 25T/box, 50T/box	Serum or plasma	It is used for the semi-quantitative detection of human Procalcitonin in serum or plasma. It is intend ed for professional use as an aid in the diagnosis of bacterial infection and sepsis.