



**杭州泰熙生物技术有限公司**

HANGZHOU TESTSEA BIOTECHNOLOGY CO.,LTD

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RAPID RESPONSE TO PANDEMIC  
**SPEED UP  
THE COVID-19 CONTROL**

Devoting all Resources in Fighting against-pandemic

# Who We Are

## Hangzhou Testsea Biotechnology Co., Ltd.

A biomedical technology enterprise focusing on medical in vitro diagnostic products.



### Cooperative Partner



Chinese Academy of Sciences



Zhejiang University



### Completed Production R & D System

The company now has a complete set of R & D, production equipment and purification workshop for in vitro diagnostic instruments / reagents / raw materials for POCT, biochemistry, immunity and molecular diagnosis

### Annual Production Capacity



**50** million  
diagnostic kits



IVD reagent production base

**14000**m<sup>2</sup>



Public Experimental Platform

**3000**m<sup>2</sup>

# Certificate and registration



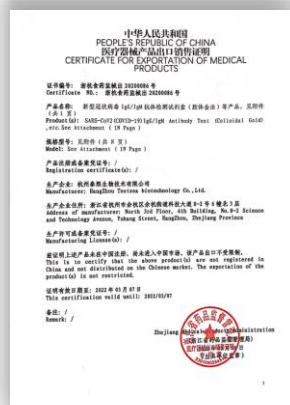
**235**  
employees



bachelor degree  
or above



**28**  
patents



# Worldwide Sales

**100+**

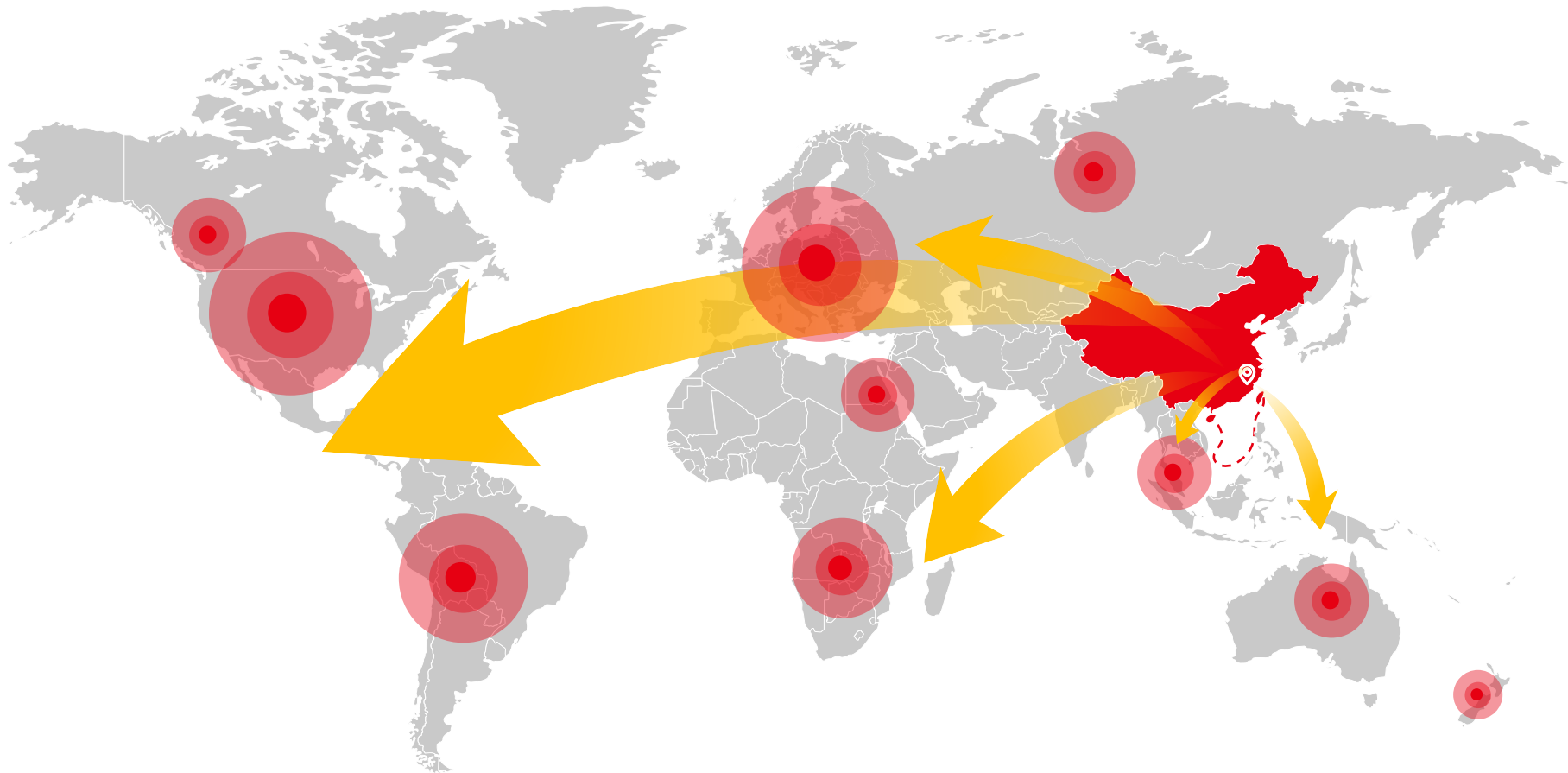
countries

**50+**

provinces, municipalities and autonomous regions

**2000+**

customers



# Our Lab and Production



**Solution Preparing**



**Conjugation**



**Spraying**



**Assembling**



**Cutting**



**Conjugation**



**Lamination**



**Warehousing**





# Our Exhibitions



# Our Product

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## Developed and Launched COVID-19 Test

With the outbreak of the corona virus epidemic at the end of 2019, our company and academician of the Chinese Academy of Sciences successfully developed and launched COVID-19 Test, speed up the COVID-19 Control .



**Successfully exported to all parts of the world**

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**Registered in many countries**

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**Received recognition**

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# Introduction For Corona Virus

## The novel

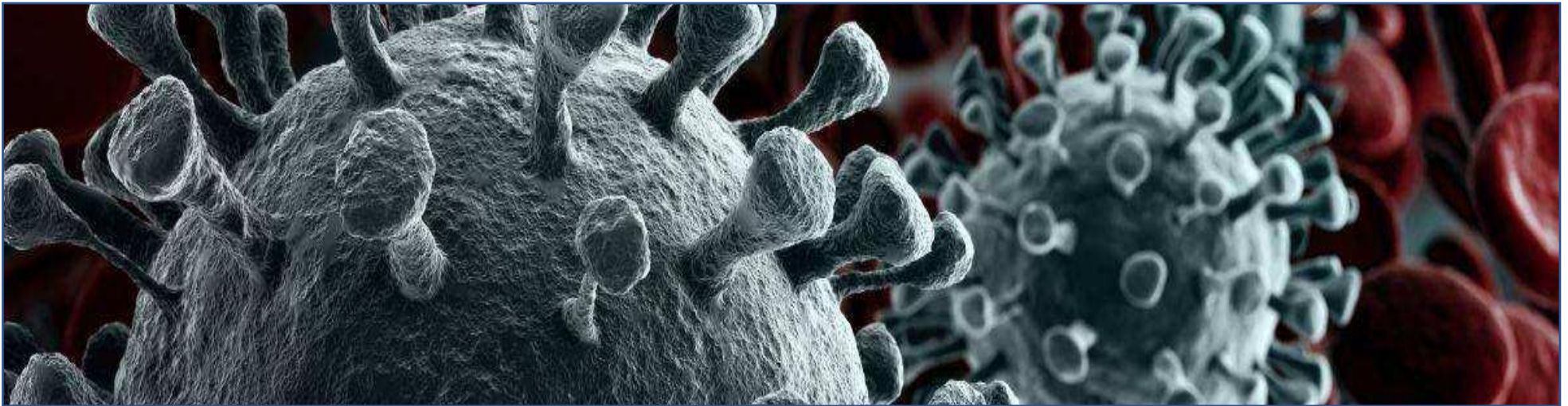
belong to the  $\beta$  genus

## COVID-19

an acute respiratory infectious disease

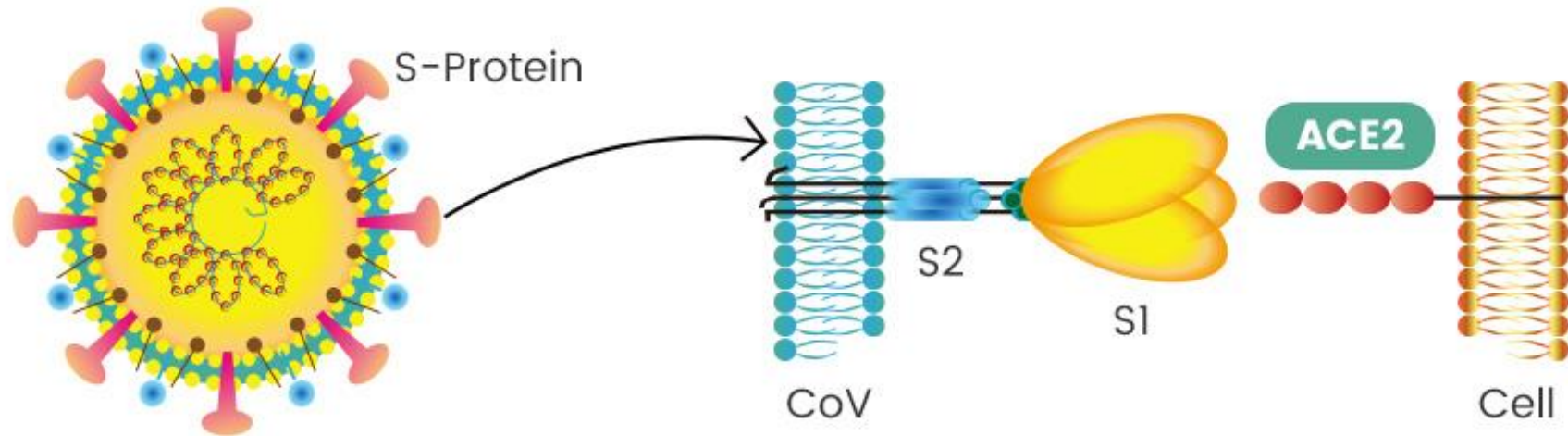
generally susceptible

- Currently, the patients infected by the novel coronavirus are the main source of infection; asymptomatic infected people can also be an infectious source.
- Based on the current epidemiological investigation, the incubation period is 1 to 14 days, mostly 3 to 7 days.
- The main manifestations include fever, fatigue and dry cough. Nasal congestion, runny nose, sore throat, myalgia and diarrhea are found in a few cases.





# Introduction For Corona Virus



## Invading Human Cells

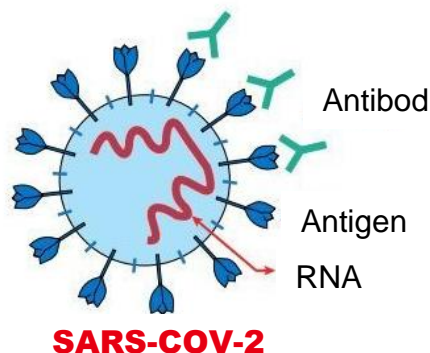
The novel coronavirus invades human cells by the specific binding of its spike glycoprotein (ligand) to the ACE2 receptor located on human cellular membrane.



## In this test

The ACE2 receptor has been substituted for antibody to establish a novel ligand-receptor chromatography test kit for rapid detection of the novel coronavirus.

# CURRENT DIAGNOSTIC METHODS FOR COVID-19



## Antigen test

Detect the antigen of the virus , indicating the active viral infection

## RT-PCR

Detect the RNA of virus , indicating the active viral infection

## Antibody test

Detect the antibody generated by immune response after viral infection , indicating the active or past viral infection .

## The characteristics of the three detection methods

Test method	PCR	IgM / IgG antibody rapid test	Antigen rapid test (latex)
<b>Environmental requirements</b>	High requirements for laboratory environment	Low environmental requirements, not necessarily performed in the laboratory	Low environmental requirements, not necessarily performed in the laboratory
<b>Operational requirements</b>	Professional testing personnel, need equipment	The operation is simple and no instrument is needed	The operation is simple and no instrument is needed
<b>Sample type</b>	Nasopharynx swab, high sampling requirements, pain	Blood samples, invasive sampling	Oropharyngeal saliva, sputum and feces of the posterior oropharynx
<b>Performance</b>	Gold standard of diagnosis;	Auxiliary diagnosis; Good sensitivity and specificity	Auxiliary diagnosis; Higher sensitivity, 100% specificity
<b>Detection time</b>	2-3 Hours	15 minutes	10-15 minutes
<b>Cost</b>	higher	Economics	Economics
<b>Applicability</b>	Applicable to all periods	Weeks after symptom onset	Early detection and mass screening of suspected population or animals

# SARS-CoV-2 IgG/IgM Antibody Test Detection

## When body is infected with the new coronavirus

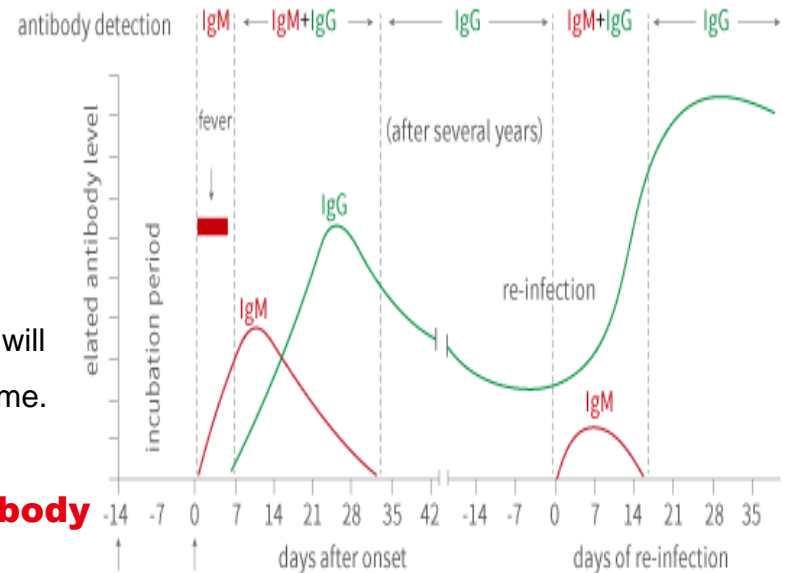
The specific protein of the virus stimulates the immune system and leads to an antibody response; the first antibody to appear is IgM, and then the IgG antibody.

## From the general process of acute infection

When the IgG antibody appears, the concentration will continue to increase, the IgM will continue to decrease or even disappear, and the IgG antibody will exist for a long time.

## The simultaneous dynamic monitoring of IgM and IgG antibody

Can be used in the auxiliary diagnosis of new coronavirus infection.



- SARS-CoV-2 infection induces development of IgM and IgG antibodies, which are the most useful indicator or assessing antibody response.
- Antibodies can be detected in the blood after 5-10 days since symptoms onset.

**IgM** may indicate more recent infection

**IgG** may have longer lasting response

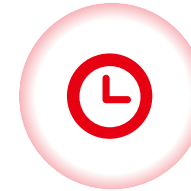


# Product

## 20T antibody



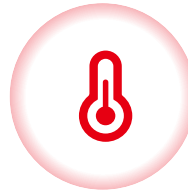
Direct detection  
of the virus



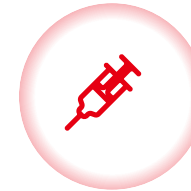
Instant results  
within 15mins



Easy to use ,  
No equipment required



Room temperature  
storage ( 4-30°C )



Whole Blood Specimens



Separated interpretation  
for IGG and IGM

# Our COVID-19 IgG/IgM Test



01

Test Devices

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02

Droppers

---

03

Buffer

---

04

Product Insert

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# Operation Instructions

Correct use , convenient and quick



01  
Constant  
Temperature and Static  
position



02  
Massage finger pulp



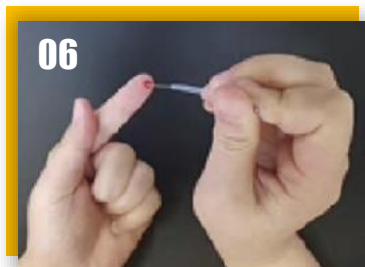
03  
Disinfect with alcohol tablet



04  
Blood sampling and  
acupuncture into the  
abdomen of fingers



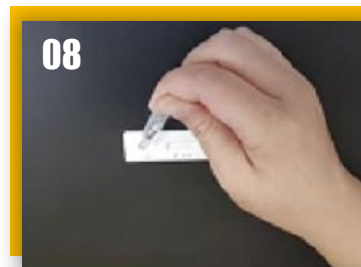
05  
Wipe off the first drop of  
blood with sterile dry  
cotton ball



06  
Use disposable  
micropipette to suck blood



07  
Added blood drops to the  
test card



08  
Add diluent and start  
timing



09  
Allow to stand for 15  
minutes to read the result



# Performance Characteristics

## Sensitivity and Specificity

COVID-19 IgG/IgM Test Cassette ( Whole Blood / Serum / Plasma ) was compared with acommercial PCR

Days post symptom onset	number of samples	# PCR positive	COVID-19 IgG/IgM Test		
			IgG ( + )	IgM ( + )	IgG ( + ) and IgM ( + )
≤7	10	positive	2 / 10 = 20%	3 / 10 = 30%	4 / 10 =4%
8~14	30	positive	26/30=86.6%	29/30=96.6%	29/30=96.6%
15~21	52	positive	198/200=99%	196/200=98.0%	198/200=99.0%
>21	270	positive	267/270=98.8%	257/270=95.1%	267/270=98.8%
total	350	N/A	493/510=96.6% 95%cl:(94.9%~98.3%)	485/510=95.1% 5%cl:(93.9%~96.3%)	498/510=97.6% 5%cl:(96.6%~98.6%)

The total sensitivity of IgG is 96.6%; 95%CI: (94.9%-98.3%)

The total sensitivity of IgM is 95.1%.(93.9%-96.3%)

Total sensitivity of IgG/IgM obtained from the above table is 97.6%: 95%CI: ( 96.6%-98.6%)

# Performance Characteristics

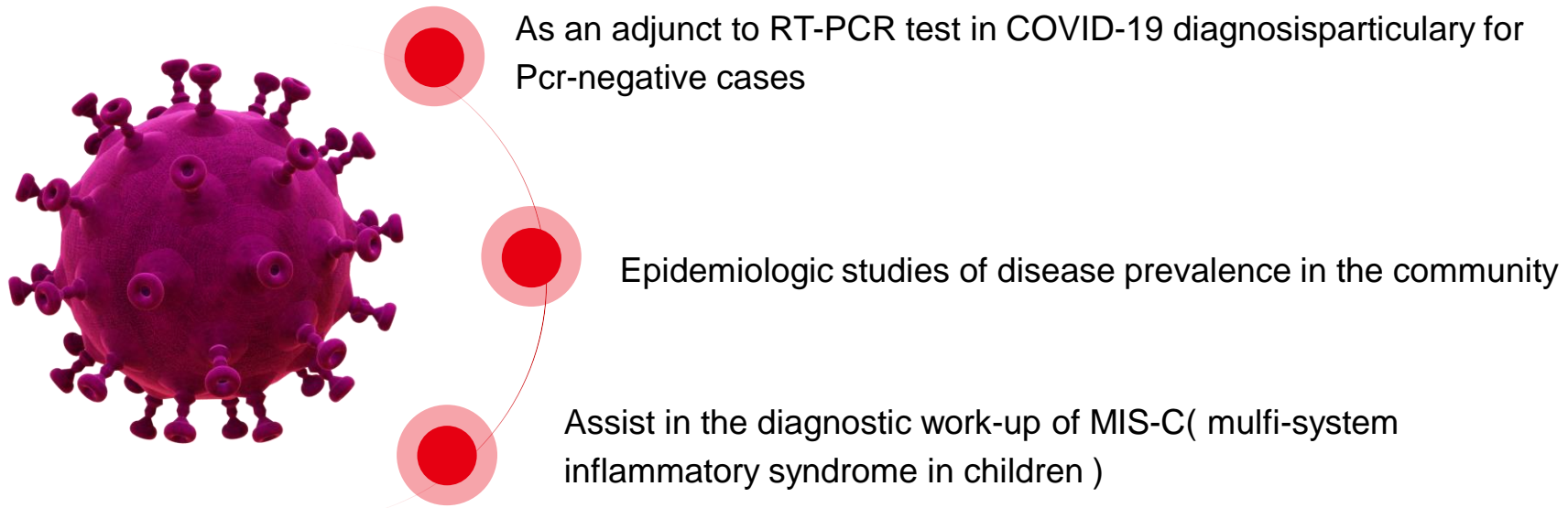
## Sensitivity and Specificity

COVID-19 IgG/IgM Test Cassette ( Whole Blood / Serum / Plasma ) was compared with acommercial PCR

Number of samples	# PCR result	COVID-19 IgG/IgM Test		
		IgG ( + )	IgM ( + )	IgG ( + ) and IgM ( + )
215	Negative	211/215=98.1%	210/215=97.7%	207/215=96.3%
Total	N/A	98.1% 95%cl:(95.3%~99.5%)	97.7% 95%cl:(94.7%~99.2%)	96.3% 95%cl:(92.8%~98.4%)

Total specificity from the above table is 96. 3%; 95%CI:(92.8%-98.4%)

# Antibody Test Application



Physicians Office



Emergency Room



Fever Clinic



Hospital



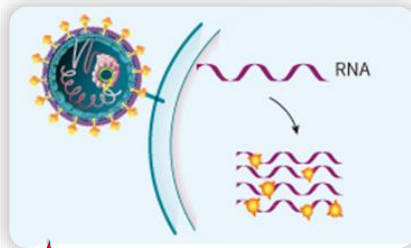
Ambulance



# COVID-19 ANTIGEN TEST

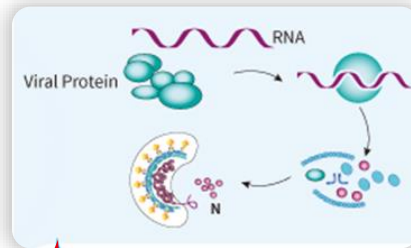
## Main Mechanism of Antigen into Blood

When SARS-CoV-2 invades the lung cells, it will express a large amount of self protein to reassemble the virus particles, causing cell damage and forming inflammation. The virus protein expressed in excess and the virus protein released from the disintegration of virus particles killed by the body in the lesions will enter the blood circulation through the vessel wall with increased permeability due to inflammation in the lesions.



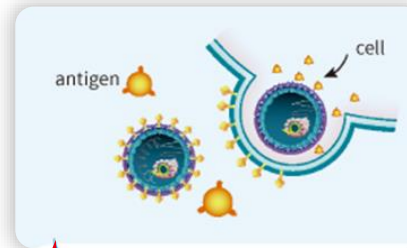
### Replication

One RNA replicates to many chains, and synthesizes many antigens at the same time.

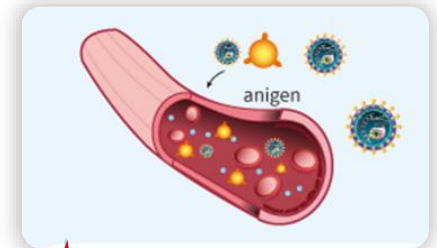


### Composition

Successfully replicated RNA + Viral protein



Virus comes out from disintegrated cells, at the same time, many redundant antigens come out.



Disintegrated viral proteins enter the blood circulation through the blood vessel wall.

One RNA replicates to many chains, and synthesizes many antigens at the same time.

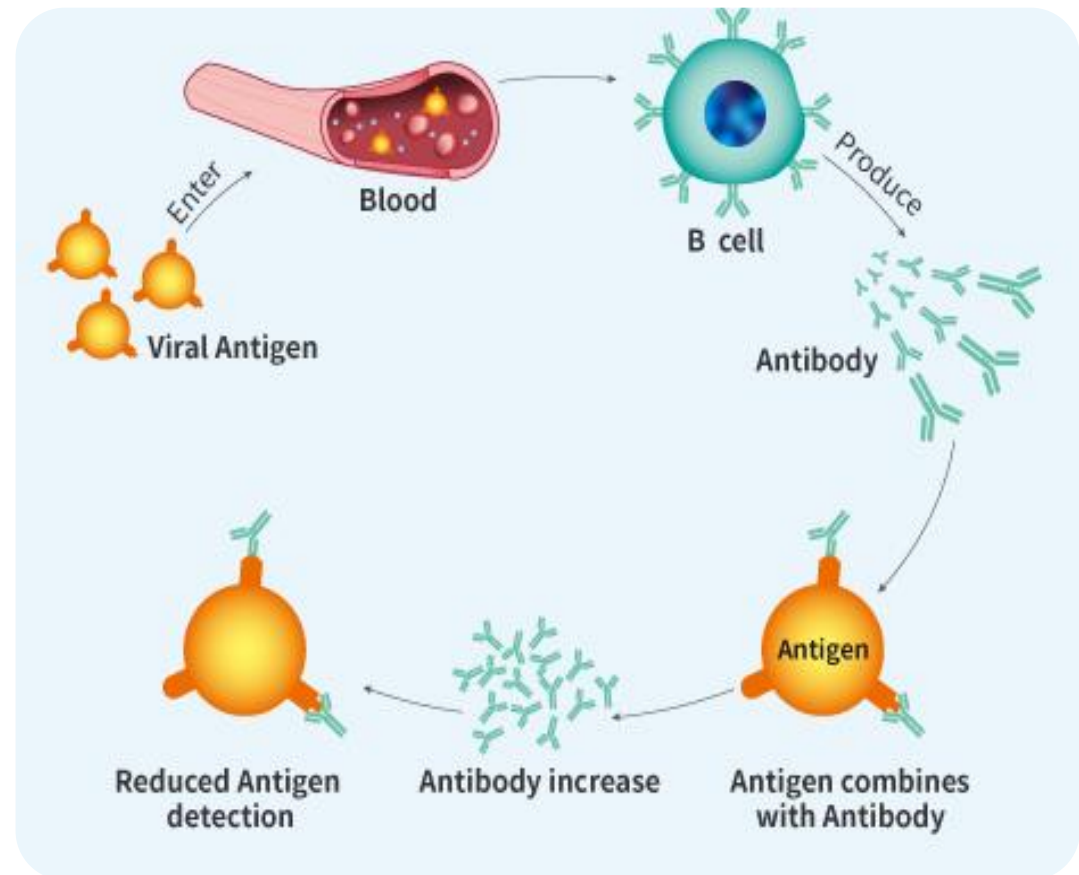
# COVID-19 ANTIGEN TEST

## Mechanism of Reduction and Elimination of Antigen in Blood

The virus antigen will stimulate the patients body to produce the correspond -ing antibody , and the antibody produced by the body will produce the specific combination with the corresponding antigen , forming the antigen antibodyimmune complex to be cleared by the body's immune system .

As the amountof antibody produced by the patient increases gradually , the amount of anti - gen cleared will also increase synchronously

With the activation of the immune system , the ability of killing virus is enhanced ,the viral load in the body will gradually decrease , and the production of virusand blood antigen will gradually decrease.



# Product Overview



CE & ISO Approved from Original Manufacture



Nasopharyngeal Swab Sample



Instant Result in 15 minutes faster than PCR test



Easy to use, no equipment required, no PCR Lab required



Room temperature storage ( 4-30°C )



# Material Provide

## Kit Contents



Test cassettes



Extraction Tube



Sterilized Swab



Extraction Buffer



Work station



# Test Procedure

Take nasopharyngeal swab for example .



**01**

Put an extraction tube on the workstation . Add all of the extraction reagent into an extraction tube



**02**

Tilt patient's head back about 70°. Insert sterilized swab through the nostril parallel to the palate



**03**

Gently rub and roll the swab, and leave swab in place for several seconds to absorb secretions



**04**

Slowly remove swab while rotating it .



1 minutes.

**05**

Insert the swab specimen into the extraction tube. Roll the swab at least 5 times and leave the swab in the extraction tube for one minute



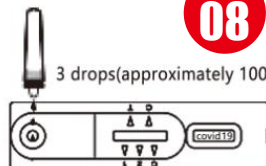
**06**

Remove the swab while squeezing the sides of the tube to extract the liquid from the swab



**07**

Cover the extraction tube with a dropper tip tightly



**08**

3 drops (approximately 100ul)

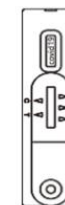
Transfer 3 drops (approximately 100UL) to the specimen well of the test cassette .



15 min

**09**

Interpret the test results at 15 minutes . Do not read results after 20 minutes



# Product performance

The COVID-19 Antigen Test Cassette ( nasopharyngeal Swab Specimen ) was compared with a commercial PCR( from Oriental gene ) . The total sensitivity of COVID-19 Antigen is 92 . 1% ; 95 % CI: ( 87.7%-93.9% )

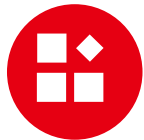
Days post symptom onset	Number of samples	PCR positive	COVID-19 IgG/IgM Test
≤3	9	9	7/9 =77.8%
4~7	33	33	32/33=97.0%
8~14	25	25	23/25=92%
>14	9	9	8/9=88.9%
Total	76	76	70/76=92.1% 95%CI:(87.7%~93.9%)

**Total specificity from the above table is 98.1%;95 % CI : ( 95.14%-99.44%)**

Number of samples	PCR positive	COVID-19 IgG/IgM Test
215	215	211/215=98.1%
Total	N/A	211/215=98.1% 95 % CI : ( 95.14%-99.44% )

# INFLUENZA A + B Test Cassette

## Testsealabs<sup>®</sup> Influenza A & B Rapid Test Cassette



A rapid chromatographic immunoassay for the qualitative detection of influenza A and B antigens in nasal swab specimens .



Intended to aid in the rapid differential diagnosis of influenza A and B viral infections



# Specification

**25<sub>T</sub>**

**25** test devices + **25** Extraction Tubes + **15** Extraction Buffer + **25** Sterilized Swabs + **1** Instruction



**01**

Test Devices

**02**

Extraction Buffer

**03**

Extraction Tube

**04**

Sterilized Swab

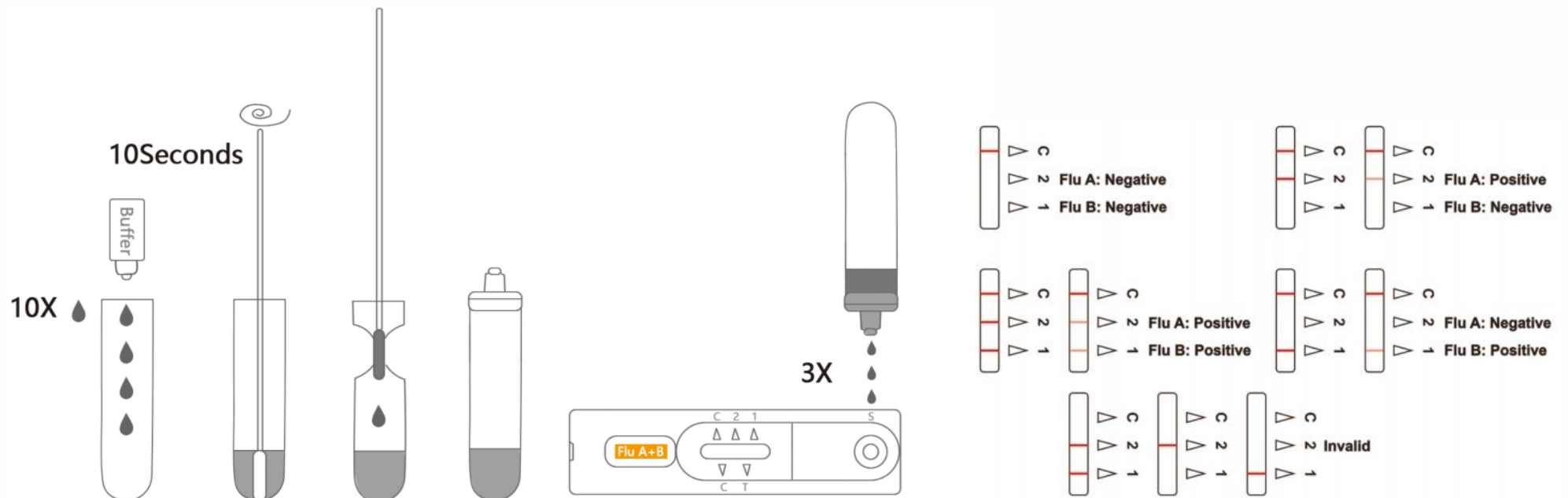
**05**

Work Station

**06**

Package Insert

# Test Procedure and Interpretation





# Performance Characteristics

Clinical sensitivity , specificity and accuracy the influenza A & B rapid test cassette has been evaluated with specimens obtained from the patients .RT-PCR is used as the reference method for the influenza A & B rapid test strip ( swab ) .

**Specimens were considered positive**  
if RT-PCR indicated a positive result

**Specimens were considered negative**  
if RT-PCR indicated a negative result

## Type A : Kit correlation with RT-PCR Method

Method		RT-PCR		Total
		+	-	
Influenza A&B Rapid Test	+	33	0	33
	-	0	67	67
Total		33	67	100

Sensitivity : > 99% ( 89.4 ~ 100% ) \*    Specificity : > 99% ( 94.6 ~ 100% ) \*  
Accuracy : > 99% ( 96.4 ~ 100% ) \*    \* 95 % Confidence

## Type B : Kit correlation with RT-PCR Method

Method		RT-PCR		Total
		+	-	
Influenza A&B Rapid Test	+	31	1	32
	-	0	68	68
Total		31	697	100

Sensitivity : > 99 % ( 88.8 ~ 100% ) \*    Specificity : 98.6% ( 92 . 2 ~ 99.9% ) \*  
Accuracy : 99.0% ( 94.6 ~ 99.9% ) \*    \* 95% Confidence

# Product advantages



# Flu A / B + COVID -19 Antigen Combo Test

## Testsealabs<sup>®</sup> Flu A / B + COVID-19 Test

For the simultaneous detection and differentiation of the antigens from SARS-CoV-2 , influenza A and Influenza B in the specimens from individuals suspected of respiratory viral infections .

SARS-COV-2

influenza A

Influenza B

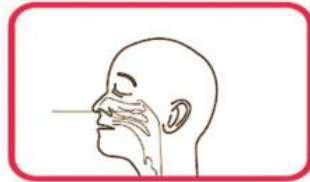


The test Will serve as a powerful weapon for the healthcare professionals to fight the COVID-19 pandemic.

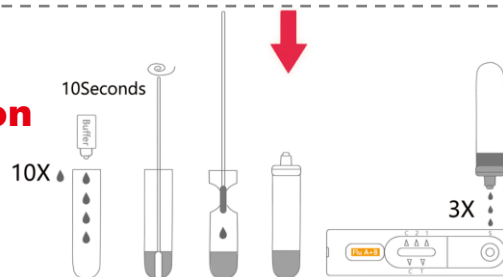
# Flu A / B + COVID -19 Antigen Combo Test

## Specimen Collection

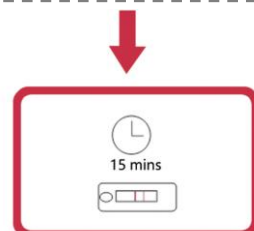
Nasopharyngeal swab



## Solution Preparation

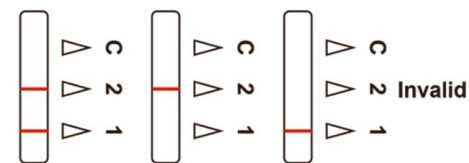
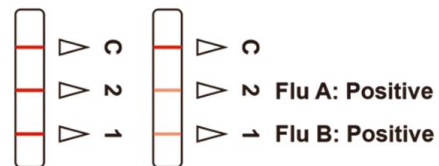
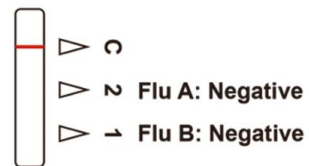


## Detection Result

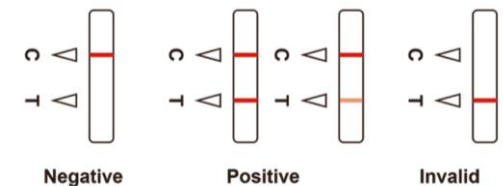
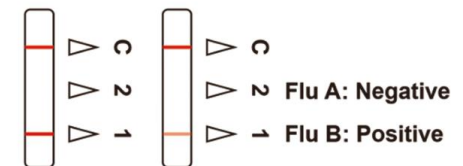
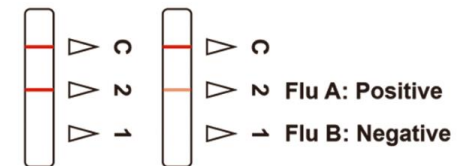


Read the test result

## Interpretation



Interpretation of Flu A/B results



Interpretation of COVID-19 Ag results

# SARS-COV-2 Real-time RT - PCR Detection Kit

## Function

This kit is intended for in vitro qualitative detection of Orflab and N genes from the 2019-ncov in pharyngeal swab or bronchoalveolar lavage specimens collected from Coronavirus disease 2019(Covid-19 ) suspected cases , suspected clusters of cases or other individuals who need 2019-ncov infection diagnosis or differentiation diagnosis

The kit is designed for RNA detection of 2019-ncov in specimens using multiplex real time RTPCR technology and with the conserved regions of or flab and Ngenes as target sites of the primers and probes.

Simultaneously, this kit contains an endogenous control detection system(the control gene is labeled by cy5) to monitor the process of specimen collection, nucleic acid extraction and PCR and reduce false negative results





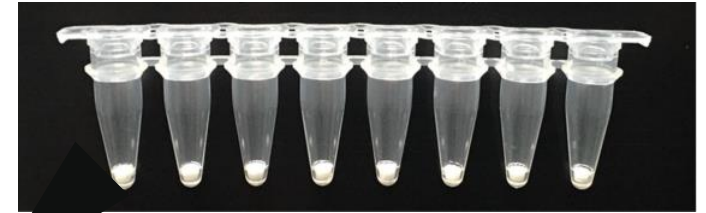
# SARS-COV-2 Real-time RT - PCR Detection Kit

## Key Features

Rapid,Reliable amplification and detection  
inclusivity SARS like coronavirus



One-step RT-PCR  
reagent( lyophilized powder )



Includes positive and negative controls



Transportation at normal temperature

The kit can keep stable up to 18 months  
stored at -20°C



CE approved

# SARS-COV-2 Real-time RT - PCR Detection Kit



**Flow**

**01**

Prepare extracted RNA from SARS Cov-2

**02**

Dilute positive control RNA with water

**03**

Prepare PCR master mix

**04**

Apply PCR master mix and RNA into real-time PCR plate or tube

**05**

Run a real-time PCR instrument



RNA



Real-time PCR plate



Real-time PCR plate



# Benefits

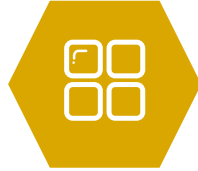
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## Flexible Reagents

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Open system reagents ,  
applicable for major PCR detection  
system



## Multiple Sample Types

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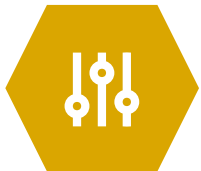
Applicable to lower respiratory tract  
sample ( sputum ) and swabs



## Lower Transport Cost

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Lyophilized reagents , stable at -20°C  
for 18 months



## Whole Process Control

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Internal whole-process quality monitoring ,  
from extraction , amplification to  
detection, to achieve high accuracy



## Multiple Target Genes

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Precisely targeting ORF lab and  
N gene of SARS-COV-2

# Product List

We also offer other rapid diagnostic and medical products in the followings specialties: fertility tests, infectious diseases tests, sexually-transmitted diseases tests, tumor markers tests, cardiac markers tests and substance of drug abuse tests in different formats, as well as animal tests. Welcome to check our catalogue list as bellow and contact us freely .

## Drug of Abuse Rapid Test

Catalog No.	Product name	Specimen	Format	Cut off
DMOP	MOP Morphine Test	Urine	Strip/Cassette/Dipcard	100/200/300ng/ml
DMET	MET Methamphetamine Test	Urine	Strip/Cassette/Dipcard	300/500/1000ng/ml
DTHC	THC Marijuana Test	Urine	Strip/Cassette/Dipcard	50ng/ml
DKET	KET Ketamine Test	Urine	Strip/Cassette/Dipcard	500/1000ng/ml
DMDMA	MDMA Ecstasy Test	Urine	Strip/Cassette/Dipcard	500ng/ml
DCOC	COC Cocaine Test	Urine	Strip/Cassette/Dipcard	100/300ng/ml
DAMP	AMP Amphetamine Test	Urine	Strip/Cassette/Dipcard	500/1000ng/ml
DBZO	BZO Benzodiazepines Test	Urine	Strip/Cassette/Dipcard	200/300ng/ml
DK2	K2 Synthetic Cannabis Test	Urine	Strip/Cassette/Dipcard	200ng/ml
DBAR	BAR Barbiturates Test	Urine	Strip/Cassette/Dipcard	300ng/ml
DBUP	BUP Buprenorphine Test	Urine	Strip/Cassette/Dipcard	10ng/ml
DCOT	COT Cotinine Test	Urine	Strip/Cassette/Dipcard	200ng/ml
DEDDP	EDDP Methadone Metabolite Test	Urine	Strip/Cassette/Dipcard	100ng/ml
DFYL	FYL Fentanyl Test	Urine	Strip/Cassette/Dipcard	200ng/ml
DMTD	MTD Methadone Test	Urine	Strip/Cassette/Dipcard	300ng/ml
DMQL	MQL Methaqualone Test	Urine	Strip/Cassette/Dipcard	300ng/ml
DOPI	OPI Opiate Test	Urine	Strip/Cassette/Dipcard	2000ng/ml
DOXY	OXY Oxycodone Test	Urine	Strip/Cassette/Dipcard	100ng/ml

Catalog No.	Product name	Specimen	Format	Cut off
DPCP	PCP Phencyclidine Test	Urine	Strip/Cassette/Dipcard	25ng/ml
DPPX	PPX Propoxyphene Test	Urine	Strip/Cassette/Dipcard	300ng/ml
DTCA	TCA Tricyclic Antidepressants Test	Urine	Strip/Cassette/Dipcard	1000ng/ml
DTML	TML Tramadol Test	Urine	Strip/Cassette/Dipcard	200/300ng/ml
DSAMP	AMP Amphetamine Test	Saliva	Cassette	50ng/ml
DSCOT	COT Cotinine Test	Saliva	Cassette	50ng/ml
DSKET	KET Ketamine Test	Saliva	Cassette	200ng/ml
DSMOP	MOP Morphine Test	Saliva	Cassette	15ng/ml
DSMET	MET Methamphetamine Test	Saliva	Cassette	50ng/ml
DSOPI	OPI Opiate Test	Saliva	Cassette	40ng/ml
DSOXY	OXY Oxycodone Test	Saliva	Cassette	50ng/ml
DSPCP	PCP Phencyclidine Test	Saliva	Cassette	10ng/ml
DS22	MOP-MET 2 IN1 Test	Saliva	Dipcard/Cassette	15/50ng/ml
DOAP	Multi-Drug2-12 Drug Screen Test Panel	Urine	Panel	Same as single
DOAS	Multi-Drug Multi Line Cassette	Urine	Cassette	Same as single
DOAC	Multi-Drug2-12 Drug Screen Test Cup	Urine	Cup	Same as single
DOA55	Multi-Drug 5 Drug Screen Test Panel	Urine	Panel	Same as single
DALK	Saliva Alcohol Test	Saliva	Strip	See insert

# Product List

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## Infectious Disease Rapid Test

Catalog No.	Product name	Specimen	Format
TS19AB	COVID-19 IgG/IgM Test	Whole Blood/Serum/Plasma	Cassette
TS19AG	COVID-19 Antigen Test	Nasopharyngeal Swab	Cassette
TSFLU	Influenza A+B Test	Nasopharyngeal Swab	Cassette
TS19FL	COVID-19 Antigen/Flu A+B	Nasopharyngeal Swab	Cassette
IDEAB	Dengue Ig/IgM Test	Serum/Plasma	Cassette
IDEAG	Dengue NS1 Antigen Test	Whole Blood/Serum/Plasma	Strip/Cassette
IDEN	Dengue IgG/IgM/NS1 Antigen Test	Whole Blood/Serum/Plasma	Cassette
IHAV	HAV Hepatitis A Virus IgG/IgM Test	Whole Blood/Serum/Plasma	Cassette
IHBsg	HBsAg Hepatitis B Surface Antigen Test	Whole Blood/Serum/Plasma	Strip/Cassette
IHBsb	HBsAb Hepatitis B Surface Antibody Test	Whole Blood/Serum/Plasma	Strip/Cassette
IHCv	HCV Hepatitis C Virus Ab Test	Whole Blood/Serum/Plasma	Strip/Cassette
IHIV1	HIV 1/2 Test	Whole Blood/Serum/Plasma	Strip/Cassette
IHIV2	HIV 1/2 Tri-line Test	Whole Blood/Serum/Plasma	Cassette
IHPAB	H.Pylori Ab Test	Whole Blood/Serum/Plasma	Strip/Cassette
IHPAG	H.Pylori Ag Test	Feces	Strip/Cassette
IROT	Rotavirus Test	Feces	Strip/Cassette
IADE	Adenovirus Test	Feces	Strip/Cassette
IRAV	Rotavirus/Adenovirus Combo Test	Feces	Cassette
ILEI	Leishmania IgG/IgM Test	Serum/Plasma	Cassette
ILEP	Leptospira IgG/IgM Test	Serum/Plasma	Cassette
IMA-Fg	Malaria Ag P.F Teast Cassette	whole blood	Strip/Cassette
IMA-Tg	Malaria Ag p.f/p.v Tri-line Test Cassette	whole blood	Cassette
IMA-P	Malaria p.f/pan Tri-line Test Cassette	whole blood	Cassette
ITB	TB Tuberculosis Test	Whole Blood/Serum/Plasma	Strip/Cassette
ITOX	Toxo IgG/IgM Test	Whole Blood/Serum/Plasma	Cassette
ITP	Syphilis(Anti-treponemia Pallidum) Test	Whole Blood/Serum/Plasma	Strip/Cassette
ITY	Typhoid IgG/IgM Test Cassette	Whole Blood/Serum/Plasma	Strip/Cassette
IBR	Brucellosis ( Brucella) IgG/IgM Test	Whole Blood/Serum/Plasma	Cassette
ICHA	Chikungunya IgM Test	Whole Blood/Serum/Plasma	Strip/Cassette
ICPab	Chlamydia Pneumoniae Ab IgM Test	Whole Blood/Serum/Plasma	Strip/Cassette
ICTag	Chlamydia Trachomatis Ag Test	Endocervical seab, Urethral swab	Strip/Cassette
IMPab	Mycoplasma Pneumoniae Ab IgM Test	Whole Blood/Serum/Plasma	Strip/Cassette
INGHag	Neisseria Gonorrhoeae Ag Test	Endocervical seab, Urethral swab	Strip/Cassette
ITOM	ToRCH Toxo/Rubella/CMV/HSV 1/2 IgM Antibodies Combo Test Device	Whole Blood/Serum/Plasma	Cassette
IMC	MCT HBsAg/HCV/HIV Multi Combo Test	Whole Blood/Serum/Plasma	Cassette

## Hormone Rapid Test

Catalog No.	Product name	Specimen	Format	Sensitivity
HHCG1	hCG Pregnancy Test	Urine	Strip/Cassette/Midstream	10/25mIU/ml
HHCG2	hCG Pregnancy Test	Urine/Serum	Strip/Cassette/Midstream	25mIU/ml
HLH	LH Ovulation Test	Urine	Strip/Cassette/Midstream	20/25mIU/ml
HFSH	FSH Menopause Test	Urine	Strip/Cassette/Midstream	25mIU/ml

## Tumor Markers Rapid Test

Catalog No.	Product name	Specimen	Format	Sensitivity
TFOB	FOB Fecal Occult Blood Test	Feces	Strip/Cassette	50/200ng/ml
TAFP	AFP Alpha-Fetoprotein Test	WB/S/P	Strip/Cassette	
TCEA	CEA Carcinoembryonic Antigen Test	WB/S/P	Strip/Cassette	
TPSA	PSA Prostate Specific Antigen Test	WB/S/P	Strip/Cassette	

## Cardiac Markers Rapid Test

Catalog No.	Product name	Specimen	Format	Sensitivity
CTI	TnI One Step Troponin I Test	WB/S/P	Strip/Cassette	0.5ng/ml
CMA	Myoglobin/CK-MB/Troponin I Combo Test	WB/S/P	Strip/Cassette	see insert



# Product List

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## Animals Diagnostic Rapid Test

Catalog No.	Product name	Specimen	Packing Spec	Use Department
ACDV-1	Canine Distemper Antigen Quantitative test /CDV	Secretions, Feces	20pcs/box	Pet clinic
ACDV-2	Canine Distemper Antigen Qualitative test /CDV	Secretions, Feces	20pcs/box	Pet clinic
ACDV-3	Canine Distemper Antibody test /CDV	Whole Blood/Seruma	20pcs/box	Pet clinic, the center for Disease Control
ACPV-1	Canine Parvovirus Antigen Quantitative Test/CPV	Feces	20pcs/box	Pet clinic
ACPV-2	Canine Parvovirus Antigen Qualitative test /CPV	Feces	20pcs/box	Pet clinic
ACPV-3	Canine Parvovirus Antibody test /CPV	Whole Blood/Serum	20pcs/box	Pet clinic, the center for Disease Control
ACIV	Canine Influenza CIV Test	Secretions, Feces	20pcs/box	Pet clinic
ACCV	Canine Coronavirus CCV Test	Feces	20pcs/box	Pet clinic
ACPIV	Canine Parainfluenza(CPIV) Test	Feces	20pcs/box	Pet clinic
ACAV-I	Canine Adenovirus II Test	Secretions, Feces	20pcs/box	Pet clinic
ACAV-II	Canine Adenovirus I Test	Secretions, Feces	20pcs/box	Pet clinic
ACRV	Canine Rotavirus CRV Test	Secretions, Feces	20pcs/box	Pet clinic
ACCV	Canine Coronavirus Quantitative Test	Feces	20pcs/box	Pet clinic
ACTOXO	Canine Toxoplasma Quantitative Test	Feces	20pcs/box	Pet clinic, the center for Disease Control
ACRP	Canine C-reactive Protein Quantitative Test	Whole Blood/Serum	20pcs/box	Pet clinic, the center for Disease Control
ACII	Canine IgG/IgM Toxoplasma gondi antibody test	Whole Blood/Serum	20pcs/box	Pet clinic, the center for Disease Control
ACHW	Canine Heartworm(CHW) Test	Whole Blood/Serum	20pcs/box	Pet clinic, the center for Disease Control
ACLSH	Canine Leishmania(LSH Ab) Test	Serum	20pcs/box	Pet clinic, the center for Disease Control
ACB	Canine Brucella( C.Brucella Ab) Test	Secretions, Feces	20pcs/box	Pet clinic, the center for Disease Control
AFPV	Feline Panleukopenia FPV Test	Feces	10pcs/box	Pet clinic
AFIPV	Feline Infectious Peritonitis FIPV Test	Whole Blood/Serum	10pcs/box	Pet clinic, the center for Disease Control
AFLV	Feline Leukemia(FeLV) Test	Secretions, Feces	10pcs/box	Pet clinic

Catalog No.	Product name	Specimen	Packing Spec	Use Department
AFIV	Feline Immunodeficiency FIV Test	Secretions, Feces	10pcs/box	Pet clinic
AFTOXO	Feline Toxoplasmosis Ag(TOXO) Test	Whole Blood/Serum	10pcs/box	Pet clinic, the center for Disease Control
AFII	Feline Toxoplasma gondri IgG/IgM tes	Whole Blood/Serum	10pcs/box	Pet clinic, the center for Disease Control
APR	Pig Rotavirus Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
ASIV	Swine Influenza Virus Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
ASIG	Swine Infectious Gastroenteritis Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
APCV	PCV Antibody Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
ACSFV	Classical Swine Fever Virus Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
ASFA	Swine Fever Antibody Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
APPA	Porcine Pseudorabies Antibody Test	Whole blood/Serum	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
ABEP	Blue Ear Pig Antibody Test	Secretions, Feces	10pcs/box	Pet clinic
ASFM	Swine Foot and Mouth Disease Antibody Test	Secretions, Feces	10pcs/box	Pet clinic
APBA	Porcine Bursa Antigen Test	Secretions, Feces	10pcs/box	Pet clinic
ABBA	Bovine Bursa Antibody Test	Whole Blood/Serum/Secretions	10pcs/box	Pet clinic, the center for Disease Control
ANDV	Newcastle Disease Virus Test	Whole Blood/Serum/Secretions	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
AAIV	Avian Influenza Virus Test	Whole Blood/Serum/Secretions	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
AH5	Avian Influenza H5 Antibody Test	Whole Blood/Serum/Secretions	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
AH9	Avian influenza H9 antibody test	Whole Blood/Serum/Secretions	10pcs/box	Bureau of Animal Husbandry, the center for Disease Control
AFMD	FMD infection antibody test	Whole blood/Serum	10pcs/box	Pet clinic, the center for Disease Control
ABA	Brucella antibody test	Whole blood/Serum	10pcs/box	Pet clinic, the center for Disease Control
AFIV	Feline Immunodeficiency FIV Test	Secretions, Feces	10pcs/box	Pet clinic
AFTOXO	Feline Toxoplasmosis Ag(TOXO) Test	Whole Blood/Serum	10pcs/box	Pet clinic, the center for Disease Control



# THANKS

HANGZHOU TESTSEA BIOTECHNOLOGY CO.,LTD

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