



Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) Summary Data



Beijing Hotgen Biotech Co., Ltd.

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Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)



Product Features

- High Accuracy, Specificity and Sensitivity
- No need instrument, get results in 15 minutes
 - Room temperature Storage •
- Sample: Nasopharyngeal Swab, Throat Swab
 - Detect the presence of viral proteins
 - Identify acute or early infection •
 - The sensitivity is 2.5×10² pfu/mL •

Clinical Performance

(Disease Course 5-7 Days)

Sensitivity: 96.62%; Specificity: 99.76%; Accuracy: 98.70%.



Novel Coronavirus 2019-nCoV Antigen Test(Colloidal Gold)

Sample Collection



Nasopharyngeal swab: The sampler holds the swab to enter the nostril, and when the tip of the swab reaches the back wall of the nasopharyngeal cavity, gently rotate it for a circle, and then slowly take out the swab.



Throat Swab: The swab crosses the base of the tongue, and wipes the tonsils back and forth with slight force on both sides of the person being collected for at least 3 times, and then wipes up and down the posterior pharyngeal wall at least 3 times.

Test Procedure



The swab after sampling is soaked below the liquid level of the sampling tube, rotated and pressing 3 times, the swab soaking time is not less than 15s, the swab head is pressed, then taken out the swab and tighten the sampling tube. The liquid in the tube is the sample after treatment.

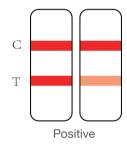


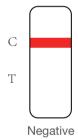
Add 4-5 drops of the treated sample into the sample well of the test cassette.

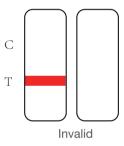


Observe results after 15 mintes, result got after 30 minutes is invalid.

Interpretation of result







Clinical Performance

A total of 617 nasal swab samples were tested in this test, and the results of throat swabs samples were analyzed statistically. The collecting time of patient samples is not exceeding 7 days after clinical manifestations with a novel coronavirus infection in clinical institutions.

Assessment system	Reference system (clinical diagnostic results)			
Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)	Positive(+)	Negative(-)	Total	
Positive(+)	200	1	201	
Negative(-)	7	409	416	
Total	207	410	617	

Sensitivity: 96.62%; Specificity: 99.76%; Accuracy: 98.70%.

Product information

Product name	Test samples	Specifications	Storage conditions
Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)	Nasopharyngeal swab , Throat Swab	1T/kit, 5T/kit, 20T/kit, 40T/kit	4-30℃

Website: www.hotgen.com.cn Wechat/WhatsApp:008618910289851

Company Profile

Beijing Hotgen Biotech Co., Ltd. (abbreviated as Hotgen Biotech, stock code: 688068) was established in June 2005, which is a high-tech enterprise focusing on the research& development, manufacture and sales of medical and public safety inspection products of in vitro diagnostics (IVD) in the field of biomedicine, as well as landed on the China Sci-Tech innovation board (STAR Market) in September 2019.

After serval years of Research& development, Hotgen Biotech has developed an in vitro diagnostic reagent bioactive raw material development platform, a sugar chain abnormal protein detection (sugar capture) R&D technology platform, a Magnetic particles chemiluminescence R&D technology platform, a Up-converting Phosphor R&D technology platform, and a colloidal gold immune layer, The eight major technology platforms, such as the precipitation R&D platform, enzyme-linked immunoassay R&D technology platform, molecular diagnostics R&D platform, and instrument R&D technology platform, form a closed-loop system for in vitro diagnostic R&D and production. Hotgen Biotech has established a complete full level immunodiagnostic technology platform, from high-precision Up-converting Phosphor POCT (UPT series) to small, medium and large single- cartridge chemiluminescence platforms (MQ60 series), and then to large-scale full-automatic chemiluminescence Platform (C2000), which realizes the application of the immune diagnostic platform in the field of full diagnostic scenarios. Supporting products are widely used in the clinical and public safety fields. Specific users include hospitals at all levels, township health centers, third-party testing centers, and medical institutions, as well as medical and health institutions, as well as disease control centers, public security, fire protection, military, ports, food and medicine. Supervision, food and feed enterprises and other public safety fields.

Hotgen Biotech has won the second prize of the National Technology Invention Award, the Gold Medal of Independent Innovation, and the second prize of the Chinese Medical Science and Technology Award; In 2018, Hotgen Biotech was awarded the second prize of the "Technical Invention Category of China Rare Earth Science and Technology Award" by the China Rare Earth Society; Top 100 Private Scientific and Technological Innovations "and" Top 100 Medical Enterprises of the Future "; and" Postdoctoral Scientific Research Workstation "; major science and technology projects in the 12th and 13th five years, 863 plan, science and technology projects of the Beijing Science and Technology Commission, and Zhongguancun High Precision The project's major cutting-edge original technological achievements transformation and industrialization projects.

In the face of the COVID-19 epidemic situation, Beijing Hotgen Biotech Co.,Ltd has organized R&D developed a variety of Covid-19 detection reagents, including Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold), Novel Coronavirus 2019-nCoV Antigen Test (Up-converting Phosphor Immunochromatographic Technology), Coronavirus disease(COVID-19) Antibody Test (Colloidal Gold), Coronavirus disease(COVID-19) IgM/IgG Antibody Rapid Test (Colloidal Gold), Novel Coronavirus 2019-nCoV Antibody Test (Up-converting Phosphor Immunochromatographic Technology), Novel Coronavirus (SARS-CoV-2) Neutralizing Antibodies Test (Colloidal Gold), Coronavirus disease(COVID-19) Nucleic Acid Test Kit (PCR-Fluorescent Probe Method), Disposable virus sampling tube, Nucleic acid Automatic Purification System, Nucleic acid extraction reagent, Biological Sample Releaser kit, etc.It is imperative to fight the epidemic Helping the global fight against epidemics!

Since its establishment, the company has continuously grown its business and has now achieved group development. At present, Hotgen (Langfang), Hotgen (Jilin), Weikekang Technology, Shunjing Biological and many other subsidiaries have been established. Hotgen Biotech marketing and service network has covered all regions of the country. Each province is equipped with professional technical service engineers, academic engineers, etc. who are responsible for pre-sales and after-sales work to meet customer needs. The company takes "developing biotechnology and benefiting human health" as its mission, "quality determines the company's life and death, customers determine the company's success or failure, talents determine the company's rise and fall, innovation determines the company's future" as its core values, and "tests because of me advanced" as its philosophy, High ambitions, technological entrepreneurship, and industrial prosperity!



Declaration of Conformity

Manufacturer:

Name: Beijing Hotgen Biotech Co.,Ltd

Address: 9th building, No.9 Tianfu Street, Biomedical Base, Daxing District, Beijing,

102600, P.R.China

European Representative:

MedNet GmbH

Borkstrasse 10,48163 Muenster, Germany

Product Name:

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)

Novel Coronavirus 2019-nCoV Antigen Test (Up-converting Phosphor Immunochromatographic Technology)

Classification: Others of ANNEX II of IVDD

Conformity Assessment Route: Annex III

We herewith declare that the above mentioned products meet the transposition into national law, the provisions of the following EC Council Directives and Standards. All supporting documentations are retained under the premises of the manufacturer:

General applicable directives:

In Vitro Diagnostic Medical Devices DIRECTIVE 98/79/EC

Harmonized standards:

EN ISO 13485:2016, EN ISO 15223-1:2016, EN ISO 14971:2012, EN 13975:2003, EN ISO 18113-1:2011, EN ISO 18113-2:2011, EN 13612:2002, EN ISO 17511:2003, EN ISO 23640:2015, EN 13641:2002, EN 13975:2003, EN 62366:2008

CE

Signature: Lin Change

Name:

Lin Changging

Title:

General manager

Place: Beijing, China.

Date of Issue: Aug 27, 2020

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CERTIFICATE

of EU product notification

Reference Number: JH-ERA-18041V00 Issued Date: September 10, 2020

This is certify that, according to In Vitro Diagnostic Medical Device 98/79/EC, we accepted the appointment to be the Authorized European Representative for products which listed in the attached agreement between below manufacturer and Luxus Lebenswelt GmbH.

Manufacturer:Beijing Hotgen Biotech Co., Ltd

Address: 9th building, No.9 Tianfu Street, Biomedical Base, Daxing District, Beijing, 102600, P.R.China

The Manufacturer declared that the IVD device complies with the Directive including all essential requirements. According to In Vitro Diagnostic Medical Device 98/79/EC, the European Databank on Medical Devices (EUDAMED) is established May 1, 2011, the German Competent Authority is notified of the manufacturer's In Vitro Diagnostic Medical Devices and has allocated registration numbers shown in:

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)

EDMA CODE:15-04-80-90-00

Registration number: DE/CA22/419-1848-IVD

Where the manufacturer affix the CE marking to the product listed they must ensure that all the requirements of the appropriate EU directive(s) and standards have and continue to be met.



MedNet GmbH Borkstrasse 10,48163 Muenster,Germany



MedNet GmbH · Borkstroße 10 · 48163 Münster Tel. +49 (0) 251 32266-0 · Fax: +49 (0) 251 32266-20

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) Instructions for Use

PRODUCT NAME

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)

SPECIFICATIONS

1T/kit, 5T/kit, 20T/kit, 25T/kit, 40T/kit, 50T/kit.

INTENDED USE

This kit is used for in vitro qualitative determination of novel coronavirus antigen in human nasal swabs or throat swabs. It is used as rapid investigation for suspected cases of novel coronavirus, can also be used as a reconfirmation method for nucleic acid detection in discharged cases.

A positive test result indicates that the samples contained novel coronavirus antigen. A negative test result does not rule out the possibility of infection.

This product is only used for clinical and emergency reserve during the pneumonia outbreak of novel coronavirus infection, and can not be used as a routine in vitro diagnostic reagent for clinical application. The test results of this kit are for clinical reference only. It is recommended to conduct a comprehensive analysis of the condition based on the patient's clinical manifestations and other laboratory tests.

For professional use only.

PRINCIPLE OF THE ASSAY

This kit is based on the Colloidal gold immunochromatographic technology, and uses double antibody sandwich method to detect the novel coronavirus antigen in human throat swabs or nasal swabs. The detection line (T line) of the novel coronavirus antigen test cassette was coated with novel coronavirus antibody, and the quality control line (C line) was coated with sheep anti-mouse. During the test, the sample is dropped into the test cassette and the liquid is chromatographed upward under the capillary effect. The novel coronavirus antigen in the sample first binds to the Colloidal gold-labelled novel coronavirus antibody form a solid phase novel coronavirus antibody-novel coronavirus antibody-colloidal gold complex at the T line position, and form a solid phase sheep anti-mouse-labelled novel coronavirus antibody-Colloidal gold complex was formed at the C line position. After the test is completed, observe the Colloidal gold color reaction of T line and C line to determine results of novel coronavirus antigen in nasal swabs or throat swabs.

COMPONENTS

Novel Coronavirus Antigen Test Cassette
 2. Sample extraction buffer
 3. Disposable virus sampling swab

STORAGE AND SHELF LIFE

- 1. The kit should be stored at 4~ 30°C, the shelf life is set for 18 months.
- After the foil bag is opened, it should be used within 30 minutes (temperature 10~30°C, humidity ≤70%), and it should be used immediately after opening at 30°C.
- The sample extraction buffer should be used within 18 months after opening (temperature 10–30°C, humidity ≤70%).
- 4. Date of manufacture and expiration date see label.

SPECIMEN REQUIREMENTS

1. Sample collection

Nasal swab: The sampling staff hold a swab and stick into the nostril and goes back slowly along the bottom of the lower nasal canal, when the top of the swab reaches the posterior wall of the nasopharyngeal cavity, rotate gently for a cycle (if reflex cough, stay for a moment), and then slowly remove the swab.

Throat swab: Let the patient's head tilt slightly, mouth open, and make "ah" sounds, exposing the pharyngeal tonsils on both sides. Hold the swab and wipe the pharyngeal tonsils on both sides of the patient with a little force back and forth at least 3 times. Then wipe up and down the Posterior pharyngeal wall at least 3 times.

2. Sample treatment

The swab after sampling is soaked below the liquid level of the sample extraction buffer, rotated and pressing 3 times, the swab soaking time is not less than 15s, the swab head is pressed, then taken out the swab and tighten the sampling tube. The liquid in the tube is the sample after treatment.

3. Sample preservation

The sample of treated should be tested within 1h. Specimens that can not be detected within 24 hours should be

kept at -70°C or below. Repeated freezing and thawing should be avoided during specimen transportation. Specimen collection should be sent to the laboratory as soon as possible. If it is necessary to transport the specimen for a long distance, it is recommended to preserve the specimen by refrigeration such as dry ice.

TEST PROCEDURE

- Place the test cassette, sample extraction buffer at room temperature for 15~30 minutes, and equilibrate to room temperature (10~30°C).
- 2. Open the aluminum foil pouch of the test cassette, place the test cassette on a flat surface.
- Write sample ID on the plastic case of the test cassette.
- Add 4~5 drops of the treated sample into the sample well of the test cassette. Incubate at 10~30°C for 15
 minutes.
- 5. Observe the results after Incubate at 10~30°C for 15 minutes. Result got after 30 minutes is invalid.

This kit doesn't have quality control products. It is recommended that the users establish a quality control method suitable for its laboratory.

INTERPRETATION OF RESULT

Positive: Two color bands appear in the observation window, that is, a red or magenta line appears at the position of the quality control line (C line) and the detection line (T line) (as shown in result 1), which indicates the test result of novel coronavirus antibody in the sample was positive.

Negative: A red or magenta line appears at the position of the quality control line (C line) in the observation window, and no line appears at the position of the test line (T line) (as shown in the result 2), indicating the test results of the novel coronavirus antibodies in the sample were negative or the concentration was below the limit of detection of the kit.

Invalid: No line appears in the position of the quality control line (line C) in the observation window (as shown in result 3), which indicates that the test is invalid, should collect sample again and retest.







Result 1: Positive Resu

Result 2: Negative Result 3: Invalid

LIMITATIONS

- 1. This kit is a qualitative test and cannot quantify the concentration of the novel coronavirus antigen.
- The test result of this kit is not the only confirmation indicator of clinical indications. If the test result is not in consistent with clinical evidence, it is recommended to conduct supplementary tests to verify the result.
- Sample test results are related to the quality of sample collection, processing, transportation and storage.
 Any errors may cause inaccurate test results. If cross-contamination is not controlled during sample processing, false positive results may occur.

PERFORMANCE CHARACTERISTICS

- When testing with enterprise references, meet the following standards:
- 1.1 Negative references compliance rate: Use the enterprise negative references for testing, and the negative references should be detected at least 20/20 (-/-).
- 1.2 Positive references compliance rate: Use the enterprise positive references for testing, and the positive references should be detected at least 5/5 (+/+).
- 1.3 Sensitivity references: When using enterprise sensitivity references for detection, at least 1/3 (+ / +) should be detected.
- 1.4 Repeatability: Use enterprise precision references for testing, and the test results of repeatable references should be consistent.
- Limit of Detection (LoD)

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) was confirmed to detect 2.5 × 10²² TCID₅₀/mL of SARS-CoV-2 which was collected from a COVID-19 confirmed patient in China.

3. Exogenous/Endogenous Interference Substances studies:

There was no interference for potential interfering substances listed below

Exogenous factor

No.	Exogenous factor	Interfering substances	Test conc.
1	Nasal sprays	Phenylephrine	128μg/mL

Saline Nasal Spray 10% 10%(v/v)	2	or drops	Oxymetazoline	128μg/mL
Nasal corticosteroids Flunisolide 0.2μg/ml	3		Saline Nasal Spray 10%	10%(v/v)
Flunisolide 0.2μg/mL	5		Dexamethasone	2μg/mL
Triamcinolone acetonide 0.2μg/mL	6		Flunisolide	0.2μg/mL
Strepsils (flurbiprofen 5% (w/v, 8.75mg) 50mg/mL)	7	corticosteroids	Triamcinolone acetonide	0.2μg/mL
10 S.75mg S.0mg/mL S.9mg/mL S.9mg	8		Mometasone	0.5μg/mL
Throat lozenges S.75mg S0mg/mL	0		Strepsils (flurbiprofen	5% (w/v,
Throat candy 5% (w/v, 50mg/mL)	9	Th	8.75mg)	50mg/mL)
11	10	i nroat iozenges	Throat aandy	5% (w/v,
11	10		Tilloat calldy	50mg/mL)
12 α-Interferon-2b 0.01μg/mL	11	Oral anaasthatia	Anbesol	59/ (1/2)
13 2μg/mL 2μg/mL 15 Anti-viral drugs Ribavirin (HCV) 0.2μg/mL 0.2μg/mL 2μg/mL 2μg	11	Oral anaesthetic	(Benzocaine 20%)	376 (V/V)
14 15 Anti-viral drugs Ribavirin (HCV) 0.2μg/mL 0.2μg	12		α-Interferon-2b	0.01μg/mL
15	13		Zanamivir (Influenza)	2μg/mL
Anti-viral drugs Peramivir(Influenza) 60μg/mL	14		Ribavirin (HCV)	0.2μg/mL
16	15	Anti viral druge	Oseltamivir (Influenza)	2μg/mL
18 Ritonavir(HIV) 20μg/mL	16	And-viral drugs	Peramivir(Influenza)	60μg/mL
19	17		Lopinavir(HIV)	80μg/mL
Levofloxacin Tablets 40μg/mL	18		Ritonavir(HIV)	20μg/mL
21 Antibiotic Azithromycin 200μg/mL 22 Ceftriaxone 800μg/mL 23 Meropenem 100μg/mL 24 Antibacterial, systemic Tobramycin 128μg/mL 25 Mucin: bovine submaxillary gland, type 100 μg/mL	19		Arbidol((Influenza)	40μg/mL
22 Antibiotic Ceftriaxone 800μg/mL 23 Meropenem 100μg/mL 24 Antibacterial, systemic Tobramycin 128μg/mL 25 Mucin: bovine submaxillary gland, type 100 μg/mL	20		Levofloxacin Tablets	40μg/mL
22 Ceftriaxone 800μg/mL 23 Meropenem 100μg/mL 24 Antibacterial, systemic Tobramycin 128μg/mL 25 Mucin: bovine submaxillary gland, type 100 μg/mL	21	Antibiotic	Azithromycin	200μg/mL
24 Antibacterial, systemic Tobramycin 128μg/mL 25 Other Submaxillary gland, type 100 μg/mL	22		Ceftriaxone	800μg/mL
24 systemic Tobramycin 128μg/mL 25 Other Submaxillary gland, type 100 μg/mL	23		Meropenem	100μg/mL
Systemic Mucin: bovine submaxillary gland, type 100 μg/mL	24	Antibacterial,	Tohramycin	128µg/mI.
Other submaxillary gland, type 100 μg/mL	2-7	systemic	1001amyem	120µg/IIIL
Other submaxillary gland, type	25			100 ug/mL
26 Biotin 100 μg/mL		Other		
	26		Biotin	100 μg/mL

(2) Endogenous factor

No.	Endogenous factor	Endogenous factor Interfering substances	
1	Autoimmune disease	Human anti-mouse antibody, HAMA	800 ng/mL
2	Serum protein	Whole Blood (human), EDTA anticoagulated	10% (w/w)

4. Cross-Reactivity & Microbial interference:

There was no cross-reaction and interference with the potential cross-reacting microorganisms listed below

no cross-rea	o cross-reaction and interference with the potential cross-reacting microorganisms listed to						
No.	Crossing reacting substance	Strain	Concentration of cross reacting substance				
1		HKU1	2 × 10 ⁵ TCID50/mL				
2	Human	229E	$2 \times 10^5 \text{ TCID50/mL}$				
3	Coronavirus	OC43	2 × 10 ⁵ TCID50/mL				
4		NL63	$2 \times 10^5 \text{ TCID50/mL}$				
5		SARS	$2 \times 10^5 \text{ TCID50/mL}$				
6		MERS	$2 \times 10^5 \text{ TCID50/mL}$				
7		Type 1	2 × 10 ⁵ TCID50/mL				
8		Type 2	$2 \times 10^5 \text{ TCID50/mL}$				
9		Type 3	$2 \times 10^5 \text{ TCID50/mL}$				
10	Adenovirus	Type 4	$2 \times 10^5 TCID50/mL$				
11		Type 5	$2 \times 10^5 \text{ TCID50/mL}$				
12		Type 7	$2 \times 10^5 \text{ TCID50/mL}$				
13		Type 55	$2 \times 10^5 \text{ TCID50/mL}$				

14	Human	hMPV 3 Type B1 /	2 × 10 ⁵ TCID50/mL
	Metapneumovirus	Peru2-2002 hMPV 16 Type A1 /	
15	(hMPV)	IA10-2003	2 × 10 ⁵ TCID50/mL
16		Type 1	2 × 10 ⁵ TCID50/mL
17	Parainfluenza	Type 2	2 × 10 ⁵ TCID50/mL
18	virus	Type 3	2 × 10 ⁵ TCID50/mL
19		Type 4A	2 × 10 ⁵ TCID50/mL
20		H1N1	2 × 10 ⁵ TCID50/mL
21	Influenza A	H3N2	2 × 10 ⁵ TCID50/mL
22	iniluenza A	H5N1	2 × 10 ⁵ TCID50/mL
23		H7N9	2 × 10 ⁵ TCID50/mL
24	Influenza B	Yamagata	2 × 10 ⁵ TCID50/mL
25	iniluenza B	Victoria	2 × 10 ⁵ TCID50/mL
26	Enterovirus	Type 68	2 × 10 ⁵ TCID50/mL
27	Enterovirus	09/2014 isolate 4	2 × 10 ⁵ TCID50/mL
28	Respiratory	Type A	2 × 10 ⁵ TCID50/mL
29	syncytial virus	Type B	2 × 10 ⁵ TCID50/mL
30		A16	2 × 10 ⁵ TCID50/mL
31	Rhinovirus	Type B42	2 × 10 ⁵ TCID50/mL
32	Chlamydia pneumoniae	TWAR strain TW-183	5 × 10 ⁶ CFU/mL
33	Haemophilus influenzae	NCTC 4560	5 × 10 ⁶ CFU/mL
34	T . 11	Bloomington-2	5 × 106 CFU/mL
35	Legionella pneumophila	Los Angeles-1	5 × 106 CFU/mL
36	рисинорина	82A3105	5 × 106 CFU/mL
37		K	5 × 106 CFU/mL
38	-	Erdman	5 × 106 CFU/mL
39	Mycobacterium	HN878	5 × 10 ⁶ CFU/mL
40	tuberculosis		
	-	CDC1551	5 × 10 ⁶ CFU/mL
41		H37Rv	5 × 10 ⁶ CFU/mL
42		4752-98 [Maryland (D1)6B-17]	5 × 10 ⁶ CFU/mL
43	Streptococcus	178 [Poland 23F-16]	5 × 106 CFU/mL
44	- pneumonia	262 [CIP 104340]	5 × 10 ⁶ CFU/mL
45		Slovakia 14-10 [29055]	5 × 106 CFU/mL
46	Streptococcus pyrogens	Typing strain T1 [NCIB 11841, SF 130]	5 × 10 ⁶ CFU/mL
47	Bordetela pertussis	NCCP 13671	$5 \times 10^6 \text{CFU/mL}$
48		Mutant 22	5 × 106 CFU/mL
49	Mycoplasma pneumoniae	FH strain of Eaton Agent [NCTC 10119]	5 × 10 ⁶ CFU/mL
50	1	M129-B7	5 × 10 ⁶ CFU/mL
51	Pneumocystis jirovecii (PJP)	N/A	N/A
	/		

52	Pooled human nasal wash	N/A	N/A
53	Candida albicans	3147	$5 \times 10^6 \text{CFU/mL}$
54	Pseudomonas aeruginosa	R. Hugh 813	5 × 10 ⁶ CFU/mL
55	Staphylococcus epidermidis	FDA strain PCI 1200	5 × 10 ⁶ CFU/mL
56	Streptococcus salivarius	S21B [IFO 13956]	5 × 106 CFU/mL

Hook Effect:

There is no hook effect at 1.0×10^{62} TCID₅₀/mL of SARS- CoV-2 which was isolated from a COVID-19 confirmed patient in China.

6. Clinical Performance:

Nasal swab samples

Clinical performance of Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) was determined by testing 207 positive and 410 negative specimens for SARS-CoV-2 antigen (Ag) to have a sensitivity of 96.62% (95% CI: 93.16-98.63%) and specificity of 99.76% (95% CI: 98.65-99.99%).

		PCR Test Results		
		Positive	Negative	Total
Novel Coronavirus 2019-CoV	Positive	200	1	201
Antigen Test (Colloidal	Negative	7	409	416
Gold) Results	Total	207	410	617
		0 30 3	Overall Peccentage	
		Sensitivity	Specificity	Agreement
		96.62%	99.76%	98.70%
		[93,16%;98,63%]	[98,65%;99,99%]	[97,46%;99,44%]

(2) Throat swab samples

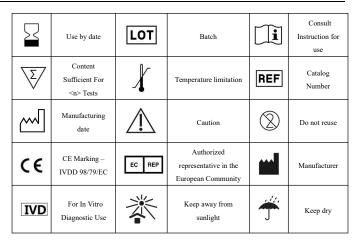
Clinical performance of Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) was determined by testing 207 positive and 410 negative specimens for SARS-CoV-2 antigen (Ag) to have a sensitivity of 97.10% (95% CI: 93.80-98.93%) and specificity of 99.76% (95% CI: 98.65-99.99%).

		PCR Test Results		
		Positive Negative Total		
Novel Coronavirus 2019-CoV	Positive	201	1	202
Antigen Test (Colloidal	Negative	6	409	415
Gold) Results	Total	207	410	617
		Sensitivity	Specificity	Overall Percentage Agreement
		97.10%	99.76%	99.01%
		[93.80%;98.93%]	[98.65%;99.99%]	[97.97%;99.60%]

PRECAUTIONS

- 1. This kit is for in vitro diagnostic use only. Please read this instruction carefully before experiment.
- Please use the swab and sample extraction buffer provided by this kit, Do not replace the sample extract in this kit with components in other kits.
- Operation should be strictly performed according to the instruction, and different batches should not be mixed use.
- The user should test the specimen as soon as possible, and the clinical performance evaluation of frozen sample may be different from that of fresh sample.
- Positive and negative predictive values are highly dependent on prevalence rates. Positive test results are
 more likely to represent false positive results during periods of little/no SARS-CoV-2 activity when
 disease prevalence is low. False negative test results are more likely when prevalence of disease caused
 by SARS-CoV-2 is high.
- Sensitivity of the test after the first five days of the onset of symptoms has been demonstrated to decrease
 as compared to a RT-PCR SARS-CoV-2 assay.
- The test cassette must be used within 30 minutes after opening(temperature 10-30°C, humidity ≤70%), it should be used immediately after opening at 30°C, and the unused test cassette must be sealed and dryly stored.
- 8. Waste or excess samples produced during testing should be inactivated according to infectious agents.

EXPLANATION FOR IDENTIFICATION





Beijing Hotgen Biotech Co., Ltd.

9th Building, No. 9 Tianfu Street, Biomedical Base, Daxing District, Beijing, 102600, P.R. China.



MedNet GmbH

Borkstrasse 10, 48163 Muenster, Germany

Swab:





Zhejiang Gongdong Medical Technology Co., Ltd.

No.10 Beiyuan Ave., Huangyan, Taizhou City, 318020 Zhejiang, China



Shanghai International Holding Corp. GmbH (Europe) Eiffestrasse 80, 20537 Hamburg, Germany





APPROVAL DATE AND REVISION DATE OF THE INSTRUCTION

Approved on Nov., 2020;

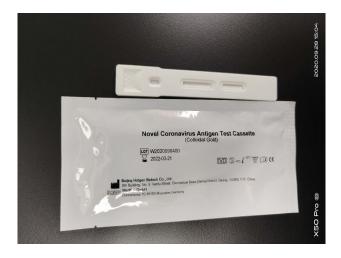
Verision number: V. 2020-11.01[Eng.]

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)

Product Photos















抗原胶体金检测试剂包装信息

Novel Coronavirus 2019-nCoV Antigen Test(Colloidal Gold)

(Colloidal Gold)

Packing Information

产品名称	规格/盒	单位	单位包装毛重
Product name	Specifications	Unit	Gross weight per
			unit package
Novel Coronavirus	1T	盒/kit	0.039kg/盒
2019-nCoV Antigen			0.039kg / kit
Test(Colloidal Gold)	20T	盒/kit	0.884 kg/盒
			0.884 kg / kit

抗原胶体金试剂盒出口包装箱

Novel Coronavirus 2019-nCoV Antigen Test(Colloidal Gold)

	Novel Coronavirus 2019-nCov Anugen Test(Conoidal Gold)							
	Export Packing Cartons							
包装箱/	长	宽	高	规格	每箱装盒	单盒试剂	整箱净重	抛重
盒	length	Width	height	水竹	数 量 Kit	净重	Net	Throwing
Packing	cm	cm	cm	Specifi	quantity	Net weight of	weight of	weight
Carton/				cation	per carton	single kit	the whole	
box				S			carton	
纸箱	70.5	40	39	1T	320 盒	0.039 公斤	12.48 公斤	18.5-19
carton					320 kits	0.039kg	12.48 kg	公斤/kg
纸箱	70.5	40	39	20T	16 盒	0.884 公斤	14.14 公斤	18.5 - 19
carton					16 kits	0.884 kg	14.14 kg	公斤/kg

Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold) Clinical Trial Summary Report

Research product name: Novel Coronavirus 2019-nCoV

Antigen Test (Colloidal Gold)

Test start time: May 6th,2020

Test completion time: Aug.13th,2020

Model specifications: 40T/kit

Medical institutions undertaking clinical trials:

Fifth Medical Center of General Hospital of Chinese People's

Liberation Army

The Sixth People's Hospital of Shenyang

Institute of Microbiology and Epidemiology, Academy of Military

Medical Sciences

Peking Union Medical College Hospital, Chinese Academy of

Medical Sciences

PLA Third Medical Center

Applicant: Beijing Hotgen Biotech Co., Ltd. Reporting time: Aug.17th,2020

Beijing Hotgen Biotech Co., Ltd.

Summary of Research Report

Clinical trial sponsor	Beijing Hotgen Biotech Co., Ltd.				
Clinical trial name	Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)				
	Fifth Medical Center of General Hospital of Chinese People's Liberation Army, The Sixth People's Hospital of Shenyang, Institute of Microbiology and Epidemiology Academy of				
Clinical trial facility	Military Medical Sciences, Peking Union Medical College Hospital Chinese Academy of				
	Medical Sciences,PLA Third Medical Center				
D C 1: 1	Examine the clinical performance of the Novel Coronavirus 2019-nCoV				
Purpose of clinical	Antigen Test (Colloidal Gold) for the detection of novel coronavirus 2019-nCoV antigen				
trials	in human nasal swabs or throat swabs.				
	In this clinical trial, the diagnostic criteria for the diagnosis of Coronavirus disease				
	(COVID-19) infection and the results of the disease process (real-time fluorescent				
	RT-PCR detection of novel coronavirus 2019-nCoV nucleic acid results, virus gene				
	sequencing comparison) were selected as comparative methods for comparative research.				
	Test results on clinical case samples. Statistics and calculation of the detection				
Clinical trial methods	coincidence rate of the two. The differential samples should be fully analyzed in				
	combination with the patient's epidemiological background, clinical symptoms, and				
	disease outcomes to assess the Novel Coronavirus 2019-nCoV				
	Antigen Test (Colloidal Gold) produced by Beijing Hotgen Biotech Co., Ltd. is used to				
	qualitatively test the clinical performance of the novel coronavirus 2019-nCoV antigen in				
	human nasal swabs or throat swabs.				
Test kit name,	Name: Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)				
specifications, batch	Specification: 40 Tests/Kit;				
number	Lot number: W2020040300				
	The total number of nasal swabs samples was 207 cases of NDV positive samples and				
	410 cases of NDV negative samples; The total number of throat swabs samples was 201				
Sample size	cases of NDV positive samples and 402 cases of NDV negative samples; Negative nasal				
	swabs samples included 10 cases of HBsAg positive, 7 cases of HCV positive, 2 cases of				
	HIV positive, 6 cases of abnormal liver function, 7 cases of abnormal renal function, 3				

	cases of abnormal blood glucose, influenza A, influenza B, and mycoplasma					
	pneumoniae, Fever, upper respiratory tract infection, viral hepatitis, cirrhosis, brucellosis, etc. Negative throat swabs samples included 9 cases of HBsAg positive, 6 cases of HCV positive, 2 cases of HIV positive, 5 cases of abnormal liver function, 6 cases of abnormal renal function, 3 cases of abnormal blood glucose, influenza A, influenza B, and					
	mycoplasma pneumoniae, Fever, upper respiratory tract infection, viral hepatitis,					
	cirrhosis, brucellosis	, etc.				
Judgment method	Visual observation					
	(1) The total coincide	ence rate of the d	iagnosis results o	f the assessment s	system and the	
	reference system is g	reater than 80%.				
Evaluation method	(2) The Kappa value		y hetween the di	agnostic results of	the assessment	
			•	ignostic results of	the assessment	
	system and the refere				2.1	
	1. The sensitivity, s		ccuracy of the di	agnostic results of	f the assessment	
	system and the reference system are:					
	Nasal swabs samples, 96.62%, 99.76%, and 98.70%					
	Throat swabs samples,96.02%,98.51%,97.69%					
	(1) human nasal swabs					
	Assessment system Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)		Reference syst	em (clinical diagr	nostic results)	
			Positive (+)	Negative (—)	Total	
	Positive (+)		200	1	201	
D 1 1 1 1	Negative (—)		7	409	416	
Results and conclusions	Total		207	410	617	
	Sensitivity: 96.62% Spesitivity: 99.76% Accuracy: 98.70%					
	Confidence interval analysis with a total compliance rate of 95%:					
	Total compliance 95% confiden					
 -	98.70%	97.46%		99.44%		

	(2) human throat swabs					
8	Assessment system		Reference sys	tem (clinical diag	gnostic results)	
	Novel Coronavirus Antigen Test (Collo		Positive (+)	Negative(—)	Total	
	Positive (+)		199	14	213	
	Negative (—)		2	388	390	
	Total		201	402	603	
	Sensitivity: 96.02% Spesitivity: 98.51% Accuracy: 97.68% Confidence interval analysis with a total complication.			rate of 95%:		
290	Total compliance	95% confidenc	e interval			
	97.68%	96.14%	98.72%			
	2. The consistency coefficient Kappa result of the diagnostic results between the assessment system and the reference system is below: Nasal swabs samples: Kappa (K) =0.9416; Throat swabs samples: Kappa (K) =0.9476; The assessment system can meet the current needs of clinical detection of the novel coronavirus 2019-nCoV antigen, and can be used to qualitatively detect the content of novel coronavirus 2019-nCoV antigen in human nasal swabs or throat swabs.					
Verification unit:	novel coronavirus 2019-nCoV antigen in human nasal swabs or throat swabs. The Key laboratory of Biological Emergency and Clinical POCT (Beijing) Aug. 17th, 2020			7		

Note: The Key laboratory of Biological Emergency and Clinical POCT (Beijing) was jointly declared by Beijing Hotgen Biotech Co.,Ltd and institute of Microbiology of the Academy of Military Medical Sciences. It was announced on the website of the Beijing Municipal science & Technnology Commission on May 30, 2014.

Sensitivity verification of Novel Coronavirus 2019-nCoV

Antigen Test (Colloidal Gold)

Purpose

Use inactivated new coronavirus to evaluate the sensitivity of Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)

Experimental Materials

1. 1 batch of colloidal gold test paper;

2. Inactivated virus: 105 pfu/mL.

Experimental steps

Sample: Mixing ratio of sample diluent

Concentration	Virus content in sample	Sample: Mixing ratio of sample
number	(pfu/mL)	diluent
1	0	1: 9
2	10 ²	1: 9
3	2.5×10^{2}	1: 9
4	5×10 ²	1: 9
5	103	1: 9
6	104	1: 9

- 1. After mixing the sample and diluent, incubate at room temperature for 1 min.
- 2. Take 100µL of sample and observe the result after 15min reaction.

Test results

Concentration	Virus content in	Sample: Mixing ratio of	Result
number	sample (pfu/mL)	sample diluent	
1	0	1: 9	
2	102	1: 9	±
3	2.5×10^{2}	1: 9	+
4	5×10^{2}	1: 9	+
5	10 ³	1: 9	++
6	104	1: 9	+++

In conclusion

Colloidal gold experiment results: 10² pfu/mL has a shallow band, negative without background, the sensitivity is 2.5×10² pfu/mL.

The Key laboratory of Biological Emergency and Clinical POCT (Beijing)

Aug. 17th, 2020





page 1 of 3 Pages

空运货物运输条件识别报告书 Certificate for Safe Transport of Air Cargo



证书编号:

BN2009720700750002

物品名称:

新型冠状病毒(2019nCoV)抗原检测试剂盒(胶体金

洪.

Name of Goods:

NOVEL CORONAVIRUS 2019-nCoV ANTIGEN TEST

(COLLOIDAL GOLD)

签发日期:

2020-09-23

委托单位:

北京热景生物技术股份有限公司

Applicant:

北京信诺递捷运输咨询有限公司

SINO-Dangerous Goods Transportation Consultant Ltd.

电话: 010-64589142

网 址: www.chinasdg.cn

传真: 010-64580462

E-mail: public@chinasdg.cn

地址:北京市顺义区北京空港物流基地物流园八街九号林吉大厦B505室

邮编: 101300

Allgemeine Anzeigepflicht nach §§ 25 und 30 Abs. 2 MPG General Obligation to Notify pursuant to §§ 25 and 30 (2) Medical Devices Act, MPG

Formblatt für In-vitro-Diagnostika / Form for In Vitro Diagnostic Medical Devices

Zuständige Behörde / Competent authority				
Code DE/CA22				
Bezeichnung / Name Bezirksregierung Münster, Dezernat 24				
Staat / State Deutschland	Land / Federal state Nordrhein-Westfalen			
Ort / City Münster	Postleitzahl / Postal code 48143			
Straße, Haus-Nr. / Street, house no. Domplatz 36				
Telefon / Phone +49-251-4110	Telefax / Fax +49-251-4112525			
E-Mail / E-mail mitteilungen-dimdi@brms.nrw.de				

Interior difference of the control o					
Anzeige / Notification					
Registrierdatum bei der zuständigen Behörde Registration date at competent authority 27.10.2020	Registriernummer / Registration number DE/CA22/419-1848-IVD				
Typ der Anzeige / Notification type					
S Erstanzeige / Initial notification					
£ Änderungsanzeige / Notification of change					
£ Widerrufsanzeige / Notification of withdrawal					
	Frühere Registriernummer bei Änderungs- und Widerrufsanzeige Previous registration number if notification has been changed or withdrawn				
Anzeigender nach § 25 MPG / Reporter pursuant to § 25 Medical Devices Act, MPG					
£ Hersteller / Manufacturer	£ Hersteller / Manufacturer				
S Bevollmächtigter / Authorised Representative	S Bevollmächtigter / Authorised Representative				
£ Einführer / Importer	£ Einführer / Importer				
£ Verantwortlicher für das Zusammensetzen von Sys	£ Verantwortlicher für das Zusammensetzen von Systemen oder Behandlungseinheiten nach § 10 Abs. 1 und 2				
MPG \ Assembler of systems or procedure packs purs	MPG \ Assembler of systems or procedure packs pursuant to § 10 (1) and (2) Medical Devices Act, MPG				
£ Betrieb oder Einrichtung (aufbereiten) nach § 25 Al	£ Betrieb oder Einrichtung (aufbereiten) nach § 25 Abs. 1 MPG i. V. m. § 4 Abs. 2 MPBetreibV				
Institution (processing) pursuant to § 25 (1) Medica	Institution (processing) pursuant to § 25 (1) Medical Devices Act, MPG in connection with § 4 (2) MPBetreibV				
£ Betrieb oder Einrichtung (sterilisieren) nach § 25 Al	os. 2 i. V. m. § 10 Abs. 3 MPG				
Institution (sterilizing) pursuant to § 25 (2) in connection with § 10 (3) Medical Devices Act, MPG					

Anzeigender / Reporting organisation (person)					
Code DE/0000012115					
Bezeichnung / Name MedNet GmbH					
Staat / State Deutschland	Land / Federal state Nordrhein-Westfalen				
Ort / City Muenster	Postleitzahl / Postal code 48163				
Straße, Haus-Nr. / Street, house no. Borkstrasse 10					
Telefon / Phone +49-251-32266-0	Telefax / Fax +49-251-32266-22				
E-Mail / E-mail ear-admin@medneteurope.com					

Her	Hersteller / Manufacturer				
	Bezeichnung / Name Beijing Hotgen Biotech Co., Ltd.				
	Staat / State CN				
	Ort / City Beijing		Postleitzahl / Postal code 102600		
	Straße, Haus-Nr. / Street, house no. 9th Building, No. 9 Tianfu Street, Biomedical Base	, Dax	ing District		
	Telefon / Phone 0086-10-50973600		Telefax / Fax		
	E-Mail / E-mail				

Bezeichnung / Name Nicole Böhnisch	
Staat / State Deutschland	Land / Federal state Nordrhein-Westfalen
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Straße, Haus-Nr. / Street, house no. Borkstrasse 10	
Telefon / Phone +49-251-32266-0	Telefax / Fax +49-251-32266-22
E-Mail / E-mail	

Vertr	Vertreter / Deputy (optional)			
	Bezeichnung / Name Kristin Zurlinden			
-	Telefon / Phone +49 251 32266 0		Telefax / Fax +49 251 32266 22	
	E-Mail / E-mail nfo@medneteurope.com			
	E Erstanzeige / Initial notification S Änderungsanzeige / Notification of change			

In-vitro-Diagnostikum / In vitro diagnostic medical device				
	Klassifizierung / Classification			
	£ Produkt der Liste A, Anhang II / Device of List A, Annex II			
	£ Produkt der Liste B, Anhang II / Device of List B, Annex II			
	£ Produkt zur Eigenanwendung / Device for self-testing			
	S Sonstiges Produkt / Other device (all devices except Annex II and self-testing devices)			
	App (Software auf mobilen Endgeräten) £ ja / yes S nein / no			
	Anzeige nach § 25 Abs. 3 Nummer 3 MPG			
	Notification pursuant to § 25 (3) number 3 Medical Devices Act, MPG			
	S "Neues In-vitro-Diagnostikum / New in vitro diagnostic medical device"			
	Handelsname des Produktes / Trade name of the device CORA CHECK-19			
	Produktbezeichnung / Name of device Novel Coronavirus 2019-nCoV Antigen Test (Colloidal Gold)			
	Angabe der benutzten Nomenklatur / Nomenclature used			
	S EDMS-Klassifikation / EDMS Classification			
	£ GMDN			
	Nomenklaturcode / Nomenclature code 15-04-80-90-00			
	Nomenklaturbezeichnung / Nomenclature term OTHER VIRAL ANTIGEN/ANTIBODY DETECTION			
	Kurzbeschreibung / Short description In Deutsch / In German Dieser Kit dient zur qualitativen In-vitro-Bestimmung des neuartigen Coronavirus-Antigens in humanen Nasen- oder Rachenabstrichen, als Schnelluntersuchung bei Verdacht auf neuartiges Coronaviruskann auch als Bestätigungsmethode für den Nukleinsäure-Nachweis in entlassenen Fällen. Ein positives Testergebnis weist darauf hin, dass die Proben neuartiges Coronavirus-Antigen enthielten. Ein negatives Testergebnis schließt die Möglichkeit einer Infektion nicht aus.			
	In Englisch / In English This kit is used for in-vitro qualitative determination of novel coronavirus antigen in human nasal swabs or throat swabs. It is used as rapid investigation for suspected cases of novel coronaviruscan also be			

used as a reconfirmation method for nucleic acid detection in discharged cases.

A positive test result indicates that the samples contained novel coronavirus antigen. A negative test result does not rule out the possibility of infection.

Zu: Eig	sätzliche Angaben im Falle der In-vitro-Diag genanwendung / Addtional information for A	gnostika gemäß Annex II and sel	B Anhang II und der In-vitro-Diagnostika zur If-testing in vitro diagnostic medical devices
	Nummer(n) der Bescheinigung(en) / Certifica	ate number(s)	
	£ In Übereinstimmung mit den Gemeinsame	en Technischen S	Spezifikationen (für Produkte gem. Anhang II, Liste
	A) In conformity with Common Technical Spe	ecifications (for A	Annex II List A devices)
	Ergebnisse der Leistungsbewertung Outcome of performance evaluation		
	ersichere, dass die Angaben nach bestem Wis m that the information given above is correct t		
Ort City	Münster	Datum Date	2020-09-10
		Name	Nicole Böhnisch
			Unterschrift Signature
	arbeitungsvermerke / Processing notes r von der zuständigen Behörde auszufüllen / T	o be filled in only	y by the competent authority
	Bearbeiter / Person responsible Frau Silvia Wenge		Telefon / Phone 0251-4115936





Certificate

No. Q5 089675 0005 Rev. 00

Holder of Certificate: Beijing Hotgen Biotech Co.,Ltd

9th Building, No. 9 Tianfu Street, Biomedical Base

Daxing District 102600 Beijing

PEOPLE'S REPUBLIC OF CHINA

Beijing Hotgen Biotech Co., Ltd

9th Building, No. 9 Tianfu Street, Biomedical Base, Daxing District,

102600 Beijing, PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Scope of Certificate: Design, Development, Production, Distribution and

Service of Automated Immunoassay Analyzer, Up-converting Phosphor Immunoassay Analyzer, **Up-converting Phosphor Technology Test Kits,** Colloidal Gold Test Kits, Chemiluminescence Immunoassay Test Kits, Enzyme-Linked

Immunoassay Test Kits.

Applied Standard(s):

EN ISO 13485:2016

Medical devices - Quality management systems -

Requirements for regulatory purposes

(ISO 13485:2016) DIN EN ISO 13485:2016

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). See also notes overleaf,

Report No.: BJ18712021

Valid from: 2018-11-14 Valid until: 2020-12-04

Stefan Preiß

1. Pumil

2018-11-14 Date,

对外贸易经营者备案登记表

备案登记表编号: 01716790

统一社会信用代码: 进出口企业代码 91110115777090586H

经营者中文名称	北京热景生物技术股份有限公司				
经营者英文名称	Beijing Hotgen Biotech Co.,Ltd.				
组织机构代码		经营者类型 (由备案登记机关填)	5 股份有限公司		
住 所	北京市大兴区中关村科技园区大兴生物医药产业基地天富 街9号9幢				
经营场所 (中文)	北京市大兴区中关	村科技园区大兴生物医药产	医药产业基地天富街9号9幢		
经营场所(英文)	9th Building, No.9 Tianfu St, Biomedical Base, Daxing District, Beijing, China				
联系电话		联系持真	010-56528861		
邮政编码	102600	电子邮租	li.han@hotgen.com.cn		
工商登记注册日期	2005-6-23	江南草记注册号	MAN TEN		

依法办理工商登记的企业还须填写以下内容

企业法定代表人姓名	林长青	有效证件号	352202197609261014
注册资金	肆任伍佰万元	55/2	(折美元)

依法办理工商登记的外国(地区)企业或个体工商户(独资经营者)还须填写以下内容

企业法定代表人 个体工商负责人姓名	有效证件号	
企业资产/个人财产		(折美元)

备注地址、变更,原证号01224263 名称、经营者类型、注册资金变更

原证号01224414

医疗器械生产许可证

许可证编号: 京食药监械生产许20070010号

企业名称: 北京热景生物技术股份有限公司

生产地址:

北京市大兴区中关村科技园区大兴生物医药

产业基地天富街9号9幢

法定代表人: 林长青

生产范围:

2002版分类目录: ||类: ||-6840-3免疫分析系 统, II-6840体外诊断试剂 III类: III-684 0-3免疫分析系统,III-6840体外诊断试剂***

2017版分类目录: II类: II-22-04免疫分析设备 Ⅲ类。Ⅲ类2.15检验及其他辅助设备***

企业负责人: 林长青

北京市大兴区中关村科技园区大兴生物医药

产业基地天富街9号9幢

发证部门:

有效期限:至 2024 发证日期:

2020 年 01 月

H

家市场监督管理总

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代表人

米

世

股份有限公司(上市、自然人投资或控股)

分

称

北京热景生物技术股份有限公司

北京市大兴区中关村科技园区大兴生物医药产业 基地天富街9号9幢

国 技术开发、技术转让、技术服务、技术咨询;货物进出口;技术进出口;代理进出口;租赁、维修医疗器械;销售医疗器械(II类);软件开发;健康咨询(须经审批的诊疗活动除外);生产第二类、第三类医疗器械;销售食品;销售第三类医疗器械。(企业依法自主选择经营项目,开展经营活动;生产第二类、第三类医疗器械、销售食品、销售第三类医疗器械以及依法须经批准的项目,经相关部门批准后依批准的内容开展经营活动;不得从事本市产业政策禁止和限制类项目的经营活动。)

鄉 沾 也 美

