▲ 130mm	
Singclean <sup>®</sup>	<b>c</b>
COVID-19Test Kit	1434
(Colloidal Gold Method) For self-tes	
INTENDEDDSE COVID-19 Test Kit (Collodal Cold Method) is a solid phase immunochromatographic assay for t qualitative detection of antigen to 2019 Novel Coronavirus in human nasal cavity. This test provide preliminary result for self-resting. Therefore, any reactive specimen with the COVID-19 Test Kit (Collo Method) must be confirmed withalternative testing method(s) and clinical findings. PACK FORMATS	the rapid es only a idal Gold
20 texts flox INTRODUCTION The novel coronaviruses belong to the ß genus, COVID-19 is an acute respiratory infectious disease, P generally susceptible, Currently, the patients infected by the novel coronavirus are the main source of asymptomatically infected people can also be an infectious source. Based on the current epiden investigation, the incubation period is 1 to 14 days, monthly 3 to 7 days. The main mainfestations inclu	eople an infectior niologica ude fever
Include and the set of	immobi o anothe When the hbinewit h nitroce cest line 1 ence of a
Color Botania and the Exit region indicates a number of the Exit region and the imm The test contains an internal control (C band) which should exhibit a burgundy colored band of the imm plex goat and internal control (C band) which should exhibit a burgundy colored band of the imm plex goat and international control (C band) which should exhibit a burgundy colored band of the imm plex goat and international control (C band) which should exhibit a burgundy colored band of the imm plex goat and international control (C band) which should exhibit a burgundy colored band of the imm plex goat and international control (C band) which should exhibit a burgundy colored band of the COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the following composition: COVID-19 Test Kill(Colloidal Cold Method) mainly contains the foll	nunocon of the tes
Nitrocellulose membrane MATERIALSSUPPLUE Sealed pouches each containinga testcassette, a desiccant Sampling cottor sysable (for nasal cavity sampling only) Antigen extraction Paper workbench (The small one-test-boxcan be used as a workbench) Instructions for use MATERIALS REQUIREDBUTNOTPROVIDED	
Timer STORAGE AND STABILITY The kitcanbe storedat4-30 C. Thetestdeviceis stablethroughthe expirationdate printedonthe seale The test device must remain in the sealed pouch until use.	dpouch
Do not freeze. Do not treeze. Do not use beyond treeze. The notice beyond treeze the second secon	sert give
<ol> <li>Lests for single use only. Do not re-useunger any circumstances.</li> <li>Humidity and temperature can adversely affectreatults.</li> <li>SPECIMENCOLLECTION</li> <li>LCOVID-13 Test ktil (Colloidal Gold Method) can be performed using nasal cavity sampling.</li> <li>Testing should be performed immediately after specimen collection.</li> <li>Bring speciments to commemperature prior to testing.</li> </ol>	
prior to testing. Please wash and disinfectyour hands before the test. 1. Remove the test cassette from the sealed foil pouch and use it as soon as possible. Best resul obtained if the assay is performed within one hour.	lts will b
<ol> <li>rate the escuence of a clean and reversing the clean and clean and</li></ol>	ently an to remov
$(4) \rightarrow (4) \rightarrow (4)$	
2. Place the antigen extraction tube on the workbench. Place the antigen extraction buffer bottle downward, squeeze the bottle to make the buffer drip freely into the extraction tube withouttouching th the tube, and add 6 drops (about 2000) to the extraction tube. 3. Put the swab specimen into the extraction tube pre-added with the antigen extraction buffer, and swababout10times while pressingthe swabheadagainstthe tube wall torelease the antigen inthe system of the swab source the swab while squeezing the tip ofthe swab so that as much liquid in the swab can be did.	e vertical ne edge v rotate th wab, the ischarge
et it states to a boot 1 minute. 4. Remove the swale while squeezing the tip ofthe swab so that as much liquid in the swab can be di as possible. 5. Instal the dripper on the extraction tube and cap it tightly, and let it stand for about 1 minute. 6. Open the aluminum fol bag and take out the test card, add 3 drops (about 100µl) into the sample h test card (or use a pipetite to add 100µ), and start the timer. 7. Wait for the colored line to appear. The result should be read in 15 minutes. Do notinterpretthe resu minutes.	nole of th Iltafter20
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INTERPRETATIONOF RESULTS 15min (+) (-) Invalid NEGATIVE: If only the C band is present, the absence of any burgundy color in the T band indicates that no CC (SARS-CoV-2) antigen is detected in the specimen. The result is negative. If the test result is negative, but new regarding constraints the thore and constraint measures	OVID-19
GMCS-C07-27 anigen is detected in the spectmen. The results negative. If the test result is negative: Continue to follow all applicable rules regarding contactivith others and protective measures. Even if the tests negative, an infection may be present. In case of suspicion, repeatthe test after 1 – 2 days, because the Coronavirus cannotbe accurately de all stages of infection.	tected a

Even if the testis negative, an infection may be present. In case of uspicion, repeative test after 1-2 days, because the Coronavirus cannotbe accurately detected at all cases of unfection. The Cand To Band is present, the test indicates for the presence of COVID-19 (SARS-CoV-2) antigen in the specimen. The results (COVID-19)ositive. There is currently a suspicion of a COVID-19 infection. Control line fails (COVID-19)ositive. There is currently a suspicion of a COVID-19 infection. Control line fails (COVID-19) and the self of the control of the co

PERFORMANCE CHARACTERISTICS 1.Clinical Sensitivity, Specificity and Accuracy The results of the COVID-19 Test kit (Collodal Cold Method) were compared to results of RT-PCR assays for SARS-COV-2 in nasal swab specimens. A total of 499 nasal cavity specimens were tested in this study. The COVID-19 clinical specimens contain specimens from individuals with symptoms within 7 days. The results of testreagentand control reagentboth were 350negative specimens and 149 positive specimens. The sensitivity and specificity calculated were valid in this study. Table 1: COVID-19 TestKitvs PCR

Method			PCR results	<b>T</b> . 1
		Positive	Negative	Total
Positive		146	1	147
COVID-19-Testkit	Negative	3	349	352
Total		149	350	499
Sensitivity		97.99%	95% confidence interval	94.25% -99.31%
Specificity		99.71 %	95% confidence interval	98.40% -99.95%
Accuracy		99.20 %	95% confidence interval	97.96% -99.69%

Accuracy 99.20 % 95% combinence interval 97.95% combinence interval 97.95% combinence interval 97.95% combinence interval 97.95% combinence interval provided approximately 95% of all rune positive prelicates testopsitive. HeatinachitatedARS-CoV-2-virus, with a stockconcentration of 78.8x10° TCID, /mL was spiked into negative specimen and serially diluted. Each dilution was ran in triplicate on the COVID-19 Test kit is 9.75 x10° TCID, /mL (Table 2). Table 2: Limit of Detection of the COVID-19 Test kit is 9.75 x10° TCID, /mL (Table 2).

Concentration	Concentration	Concentration	
9.75 x10 <sup>2</sup> TCID <sub>so</sub> /mL	20/20	100%	

2.High Dose HookEffect No high dose hook Effect was observed when testing up to a concentration of 7.8 x 10' TCID<sub>so</sub>/mL of heat inactivated SMS-COV-2 virus. Cross reactivity with the following organisms has been studied. Samples positive for the following organisms were found negative when tested with the COVID-19 TestKit. Table 3: Cross Reactivity Study Results

PPathogens	Concentration	Influenza A H5N1 virus	1.95 x 10° TC <b>I</b> D <sub>50</sub> /mL
Human Coronavirus 229E	1 x 10 <sup>5</sup> PFU /mL	Influenza B Yamagata	1.3 x 10 <sup>5</sup> TCID <sub>50</sub> /mL
Human Coronavirus OC43	1 x 10 <sup>5</sup> PFU /mL	Influenza B Victoria	2.6 x 10 <sup>5</sup> TC <b>I</b> D <sub>50</sub> /mL
Human Coronavirus HKU1	1 x 106 PFU/mL	Haemophilus influenzae	3.8 x 10 <sup>s</sup> PFU/mL
Human Coronavirus NL63	1 x 10 <sup>6</sup> PFU/mL	Rhinovirus (type 2)	1 x 10 <sup>6</sup> PFU/mL
Adenovirus (type 5)	1.8 x 10 <sup>6</sup> PFU/mL	Rhinovirus (type 14)	3.8 x 10 <sup>5</sup> PFU/mL
Adenovirus (type 7)	3.2 x 10 <sup>5</sup> TCID <sub>50</sub> /mL	Rhinovirus (type 16)	5.5 x 10 <sup>5</sup> PFU/mL
Adenovirus (type 18)	1.6 x 105 TCID <sub>50</sub> /mL	Respiratory syncytial virus(type A-2)	2.8 x 10 <sup>6</sup> PFU /mL
Human metapneumovirus (hMPV)	1.5 x 10 <sup>6</sup> PFU/mL	Streptococcus pneumoniae	2.3 x 10 <sup>5</sup> PFU/mL
Parainfluenza virus (type 1)	1.8 x 105 TCID <sub>50</sub> /mL	Streptococcus thermophilus	3.8 x 10 <sup>5</sup> PFU/mL
Influenza A H1N1 virus	2.1 x 105 TCID <sub>50</sub> /mL	Mycoplasma pneumoniae	4.5 x 10 <sup>5</sup> PFU/mL
Influenza A H3N2 virus	1.8 x 105 TCID <sub>so</sub> /mL	Chlamydia pneumoniae	6.3 x 10 <sup>5</sup> PFU/mL

4.Interfering substance. The followingsubstances, naturally presentinrespiratory specimensorthatmay beartificially introducedinto the nasopharynx, were evaluated COVID-13 Testkit at the concentrations listed below and were found notio affect test performance.

ble 4: InterferingSubstance S	tudy Results		
Substance	Concentrazione	Ibuprofen	200µg/mL
Hemoglobin	2mg/mL	Morpholine Hydrochloride	200µg/mL
Mucin	2mg/mL	Cephalexin	3μg/mL
Human Anti-mouse Antibody (HAMA)	5mg/L	Kanamydin	3μg/mL
Biotin	10mg/mL	tetracycline	3µg/mL
Mucus	500µg/mL	Chloramphenicol	3μg/mL
Gentamicin	3µg/mL	Erythromycin	3µg/mL
Sodium Cromolyn	120µg/mL	Vancomycin	3μg/mL
Oxymetazoline Hydrochloride	60µg/mL	Najidixic acid	3μg/mL
Phenylephrine Hydrochloride	200µg/mL	Hydrocortisone	3μg/mL
N-Acetyl Paraaminophenol	200µg/mL	Human insulin	3µg/mL
Aspirin	30ua/mL	Beta-propiolactone	30ua/mL

S. Microbial interference To evaluate whether potential microorganisms in clinical samples interfere with the detection of COVID-19 Tests Kits to as to produce false negative results. Each pathogenic microorganism was tested in triplicate in the presence of heat inactivated SANS-Cov-2 virus (9.75.x10<sup>+</sup>TCID<sub>sol</sub>/mL). No cross reactivity or interference was Tchla E: Microbial conference Struck Desvice below.

Table 5: Microbial Interference	Study Results		
PPathogens	Concentration	Influenza A H5N1 virus	1.95 x 10 <sup>6</sup> TC <b>I</b> D <sub>50</sub> /mL
Human Coronavirus 229E	1 x 10 <sup>5</sup> PFU /mL	Influenza B Yamagata	1.3 × 105 TCID <sub>so</sub> /mL
Human Coronavirus OC43	1 x 10 <sup>5</sup> PFU /mL	Influenza B Victoria	2.6 x 10 <sup>5</sup> TCID <sub>50</sub> /mL
Human Coronavirus HKU1	1 x 10 <sup>c</sup> PFU/mL	Haemophilus influenzae	3.8 x 10 <sup>6</sup> PFU/mL
Human Coronavirus NL63	1 x 10 <sup>6</sup> PFU/mL	Rhinovirus (type 2)	1 x 10 <sup>5</sup> PFU/mL
Adenovirus (type 5)	1.8 x 10° PFU/mL	Rhinovirus (type 14)	3.8 x 10 <sup>5</sup> PFU/mL
Adenovirus (type 7)	3.2 x 105 TCID <sub>50</sub> /mL	Rhinovirus (type 16)	5.5 x 10 <sup>6</sup> PFU/mL
Adenovirus (type 18)	1.6 x 105 TCID <sub>50</sub> /mL	Respiratory syncytial virus(type A-2)	2.8 x 10 <sup>5</sup> PFU /mL
Human metapneumovirus (hMPV)	1.5 x 10 <sup>5</sup> PFU/mL	Streptococcus pneumoniae	2.3 x 10 <sup>6</sup> PFU/mL
Parainfluenza virus (type 1)	1.8 x 105 TCID <sub>50</sub> /mL	Streptococcus thermophilus	3.8 x 10 <sup>6</sup> PFU/mL
Influenza A H1N1 virus	2.1 x 105 TCID <sub>50</sub> /mL	Mycoplasma pneumoniae	4.5 x 10° PFU/mL
Influenza A H3N2 virus	1.8 x 105 TCID <sub>so</sub> /mL	Chlamydia pneumoniae	6.3 x 10 <sup>6</sup> PFU/mL

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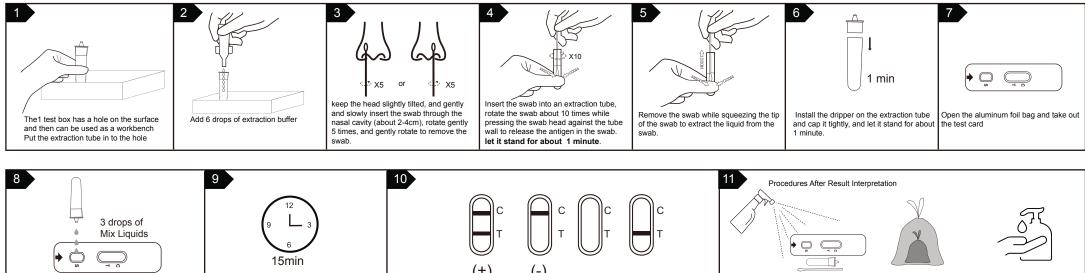
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EC REP	Representative		Store between 4-30°C	IVD	diagnostic use only	i	for use	
$\otimes$	Do not reuse	LOT	Lot Number	8	Don't use if package is damaged	D,	Use by	
HangzhouSingcleanMedicalProductsCo.,Ltd. No.125(B).10thstreet,HangzhouQiantangNewArea, Zhejiang,China310018 Tet+86-571-63431868 E-mail:sales@hzvke.comWeb/www.singclean.net			intangNewArea, 1-63431886		Contact: SUNGO 8	adion 24, 1076 Secretary 2021 11106 E	DE Amsterdam, Nether mail: ec.rep@sungogro	oup.cor

les@hzxhe.comWeb:www.singclean.net	Version: 8

8.129.04.038-A1 Issued date: 2021-09-06

## Singclean<sup>®</sup> COVID-19 Test Kit Self-Testing Procedure



Apply 3 drops of extracted solution to the

interpret the result after 20 minutes

specimen well of the test device.

(+)(-) Wait for the colored line to appear. The Use a household bleach spray, Put used product components in a plastic bag. result should be read in 15 minutes. Do not or a 70% - 75% alcohol sprav to Close the bag and put it in another plastic bag. Positive Negative Invalid disinfect used product components. Dispose of the bag in accordance with biohazard waste disposal methods

Wash the hands thoroughly with soap or use hand sanitizer