

RAPID SARS-COV-2 ANTIGEN TEST CARD

INSTRUCTION GUIDE FOR ANTERIOR NASAL SWAB SPECIMENS

For self-testing

REF	1N40C5-2	For 1 Test/Box
REF	1N40C5-4	For 5 Tests/Box
REF	1N40C5-6	For 20 Tests/Box

Please follow the instruction leaflet carefully.

INTENDED USE

Rapid SARS-CoV-2 Antigen Test Card is an immunoassay based one step in vitro test. It is designed for the rapid qualitative determination of SARS-CoV-2 virus antigen in anterior nasal swabs from individuals suspected of COVID-19 within the first seven days of symptom onset. Rapid SARS-CoV-2 Antigen Test Card shall not be used as sole basis to diagnose or exclude SARS-CoV-2 infection. Children under 14 years of age should be assisted by an adult.

SUMMARY

The novel coronaviruses belong to the *Beta* genus. COVID-19 is an acute respiratory infectious disease. People are 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.

MATERIALS PROVIDED

Components	For 1 Test/Box	For 5 Tests/Box	For 20 Tests/Box
Rapid SARS-CoV-2 Antigen Test Card (sealed foil pouch)	1	5	20
Sample extraction buffer	1	5	20
Extraction tube	1	5	20
Sample extraction buffer	1	5	20
Instructions for use (this leaflet)	1	1	1
Tube stand	1 (packaging)	1	1

PERFORMANCES (SENSITIVITY AND SPECIFICITY)

Rapid SARS-CoV-2-Antigen Test Card was compared to the confirmed clinical diagnosis. The Study involved 156 samples.

Sensitivity	96.7%
Specificity	99.20%
Accuracy	98.2%

A negative study demonstrated that:

99.10% of non-professionals carried out the test without requiring assistance

97.87% of the different types of results were interpreted correctly

INTERFERENCES

None of the following substances at the tested concentration showed any interference with the test.

Whole Blood: 1%	Alkalot: 10%	Mucin: 2%
Fentanyl: 15%	Tobramycin: 0.0004%	Oximetasazon: 15%
Menthol: 0.15%	Cromoglicins: 5%	Benzosokin: 0.15%
Fluticasone Propionate: 5%	Mupirocin: 0.25%	Zicam Nasal Spray: 5%
Oseletaminifosfat: 0.5%	sodium chloride: 5%	Human Anti-mouse Antibody (HAMA): 60 ng/mL
Biotin: 1200 ng/mL		

IMPORTANT INFORMATION BEFORE THE EXECUTION

- Read the instructions.
- Do not use the product beyond the expiration date.
- Do not use the product if the pouch is damaged or the seal is broken.
- Store the test device at 4 to 30°C in the original sealed pouch. Do Not Freeze.
- The product should be used at room temperature (15°C to 30°C). If the product has been stored in a cool area (less than 15°C), leave it at normal room temperature for 30 minutes before using.
- Handle all specimens as potential infectious material.
- Keep the specimen collection kit separate from collection, storage, and transport may yield inaccurate test results.
- Use the swabs included in the test kit to ensure optimal performance of the test.

Correct specimen collection is the most important step in the procedure. Make sure to collect enough specimen material (nasal secretion) with the swab, especially for anterior nasal sampling.

10. Blow the nose several times before collecting specimen.

11. The specimens should be tested as soon as possible after collection.

12. Apply the dropper to the specimen well (S).

13. Use the two types of extraction solution can lead to an invalid or incorrect test result.

14. When used, instead of intended, there should not be any contact with the extraction buffer. In case of contact with skin, eyes, mouth or other parts, rinse with clear water. If an irritation persists, consult a medical professional.

15. Children under 14 years of age should be assisted by an adult.

LIMITATIONS

- The test is not to be used exclusively for the qualitative detection of SARS-CoV-2 viral antigen in anterior nasal swab specimens. The exact concentration of SARS-CoV-2 viral antigen cannot be determined as part of this test.
- Proper specimen collection is critical. Failure to follow the procedure may result in inaccurate test results. Improper collection, storage, or even freezing and thawing of the specimen can lead to inaccurate test results.
- If the viral load of the specimen is below the detection limit of the test, the test may produce a negative result.
- As with all diagnostic tests, a definitive clinical diagnosis should not be based on the result of a single test, but should be made by the physician after evaluation of all clinical and laboratory results.

5. A negative result does not exclude viral infection except for SARS-CoV-2 and should be confirmed by molecular diagnostic methods if COVID-19 is suspected.

6. A positive result does not exclude coinfection with other pathogens.

7. The SARS-CoV-2 rapid antigen test can detect both viable and non-viable SARS-CoV-2 material. The performance of the SARS-CoV-2 rapid test is dependent on viral load and may not correlate with other diagnostic methods performed on the same specimen.

8. Use short time as soon as possible after specimen collection and within two hours of specimen collection.

9. Sensitivity for nasal or oropharyngeal swabs may be lower than nasopharyngeal swabs. It is recommended to use the nasopharyngeal swab specimens by healthcare professionals.

10. Monoclonal antibodies may fail to detect, or detect with less sensitivity, SARS-CoV-2 viruses that have undergone minor amino acid changes in the target epitope region.

11. The amount of antigen in a sample may decrease as the duration of illness increases. Specimens collected after day 5-7 of illness are more likely to be tested negative compared to a RT-PCR assay.

12. The test may be used with the associated swabs. Use of alternative swabs may result in false negative results.

13. The type of Rapid SARS-CoV-2 Antigen Test Card has not been proven for identification/confirmation of tissue culture isolates and should not be used in this capacity.

14. Cross-reactivity of the Test Device was evaluated by testing viruses and other microorganisms. The final test concentrations of viruses and other microorganisms are documented in the Cross-Reactivity-Study. The therefore following viruses and other microorganisms except the Human SARS-coronavirus have no effect on the test results of the Test Device. Positive test results do not rule out co-infections with other pathogens. Positive results may occur in cases of infection with SARS-CoV.

PREPARATION

The test kit may be disposed of with normal household waste in accordance with the applicable local regulations.

PROCEDURE

This test kit is suitable for people of all ages. The recommended operators are aging from 14 to 90. Children under 14 years of age should be tested by an adult. Do not continue the test if the child feels any pain.

1. Clear, clean and dry a flat surface.

2. Check the test kit contents. Make sure that nothing is damaged or broken.

3. Timer at hand.

4. Blow your nose several times before collecting specimen.

5. Wash hands.

DISPOSAL

The test kit may be disposed of with normal household waste in accordance with the applicable local regulations.

This test is suitable for people of all ages. The recommended operators are aging from 14 to 90. Children under 14 years of age should be tested by an adult. Do not continue the test if the child feels any pain.

1. Rotate the lid of sample extraction buffer bottle.

Caution: Turn it away from your face and be careful not to spill any of the liquid.

2. Squeeze all extraction buffer out of the bottle into the extraction tube.

Caution: Avoid touching the bottle against the tube.

3. Soft tip Handle

Find the swab in the sealed wrapper in front of you. Identify the soft, fabric tip of the swab.

4. Peel open the swab packaging and gently take out the swab.

Caution: Never touch the soft, fabric tip of the swab with your hands.

5. Carefully insert swab into one nostril. The swab tip should be inserted no less than 2.5 cm (1 inch) from the edge of the nostril. Roll swab 3-4 times along the mucosa inside the nostril. Leave swab in the nostril for several seconds. Using the same swab, repeat this process for the other nostril. Withdraw swab from the nasal cavity.

Caution: This may feel uncomfortable. Do not insert the swab any deeper if you feel strong resistance or pain.

6. Place swab into extraction tube. Roll swab three to five (3-5) times. Leave swab in extraction buffer for 1 minute.

7. Pinch extraction tube with fingers and remove the solution from swab as much as possible.

8. Install the nozzle cap onto the sample extraction tube tightly.

9. Bring the kit components to room temperature before testing. Open the pouch and remove the card. Place the card on a flat and level surface.

Caution: Once opened, the test card must be used immediately.

10. Invert the extraction tube and add 3 drops (about 75 µL) of test specimen into the specimen well (S) by gently squeezing the extraction tube.

Caution: The formation of air bubbles in the specimen well (S) must be avoided.

11. Read the results at 15-20 minutes.

Caution: Results after 20 minutes may not be accurate.

The used device may be disposed of with normal household waste in accordance with the applicable local regulations.

12. The test strip is clearly discolored or smudged? What is the reason for this?

Please note that the test strip is only valid for 3 days. The liquid absorption of the test strip is naturally limited. If the control line does not appear or the test strip is very smudged or discolored, making it unreadable, please repeat the test according to the instructions.

13. I have taken the test, but I don't see a control line (C). What should I do?

Your test result is invalid. Observe the answer to question 4 and repeat the test according to the instructions for use.

14. I am unsure about reading the result. What should I do?

To the result to be positive, 2 straight horizontal lines must be clearly visible with the full width of the cassette. If you are still unsure about the results, contact the nearest health facility according to the recommendations of your local authorities.

15. My result is positive and the test kit itself clearly indicates the control line as well as the test line, you should contact the nearest medical facility as recommended by your local authorities. Your test result may be double-checked and the authority or facility will explain the appropriate next steps.

16. My result is negative. What should I do?

If the test kit only clearly shows the control line, this may mean that you are negative or that the viral load is too low to be detected. If you experience symptoms (headache, fever, migraine, loss of sense of smell or taste, etc.), please consult your primary care physician, or the nearest health care facility as recommended by your local authorities.

17. Why my result is not valid?

If your result is positive and the test kit itself clearly indicates the control line as well as the test line, you should contact the nearest medical facility as recommended by your local authorities. Your test result may be double-checked and the authority or facility will explain the appropriate next steps.

18. How can I dispose of the product?

The test kit may be disposed of with normal household waste in accordance with the applicable local regulations.

19. What are the instruction leaflets?

The control line is an integrated reagent and is used to control the procedure. The control line appears when the test has been performed correctly and the reagents are reactive.

20. FREQUENTLY ASKED QUESTIONS (FAQ)

1. How does the detection work?

The N protein of the SARS-CoV-2 virus reacts with the stripe-like coating of the test line and, if present, results in a color change, i.e. a red line appears.

2. When should I use my self-test?

You can test yourself whether you have symptoms or not. Studies show that earlier testing within the first 4 days of illness typically means a higher viral load, which is easier to detect. Since the test result is a snapshot valid for that point in time, testing should be repeated as recommended by local authorities.

3. What can affect my test result? What should I pay attention to?

Be sure to blow your nose multiple times before collecting the specimen.

Be sure to collect enough material (nasal secretions).

Perform the test immediately after taking the sample.

Follow the instructions for use carefully.

Apply the drops of extraction solution only to the sample well (S).

Too many or too few drops of extraction solution can lead to an invalid or incorrect test result.

4. The test strip is clearly discolored or smudged? What is the reason for this?

Please note that the test strip is only valid for 3 days. The liquid absorption of the test strip is naturally limited. If the control line does not appear or the test strip is very smudged or discolored, making it unreadable, please repeat the test according to the instructions.

5. I have taken the test, but I don't see a control line (C). What should I do?

Your test result is invalid. Observe the answer to question 4 and repeat the test according to the instructions for use.

6. I am unsure about reading the result. What should I do?

To the result to be positive, 2 straight horizontal lines must be clearly visible with the full width of the cassette. If you are still unsure about the results, contact the nearest health facility according to the recommendations of your local authorities.

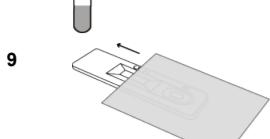
7. Why my result is not valid?

If your result is positive and the test kit itself clearly indicates the control line as well as the test line, you should contact the nearest medical facility as recommended by your local authorities. Your test result may be double-checked and the authority or facility will explain the appropriate next steps.

8. My result is negative. What should I do?

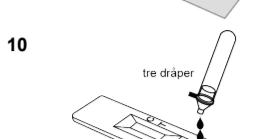


Fest lokket på prøverøret.



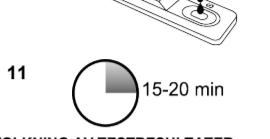
Forsikre deg om at delene i settet har romtemperatur før du utfører testen. Åpne posen og ta ut testpatronen. Plasser testpatronen på et plant, plant underlag.

ADVARSEL: Når testpatronen er åpen, må den brukes umiddelbart.



Inverter prøverøret og drøp tre drøper (75 µl) av prøven i prøvebrannen (S) ved å klemme forsiktig på prøverøret.

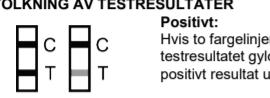
ADVARSEL: Forsikre deg om at det ikke dannes luftbobler i testbrønnen (S), da testen kanskje ikke fungerer da.



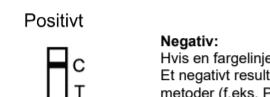
Resultatet vises etter 15-20 minutter.

Advarsel: Etter minst 20 minutter kan resultatet være feil.

Det bruke settet kan kastes sammen med vanlig husholdningsavfall i samsvar med lokale forskrifter.

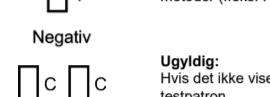


Hvis to farge linjer vises innen 15-20 minutter - en farge linje i kontrollområdet (C) og en farge linje i testområdet (T) - er testresultatet gyldig og positiv. Resultatet skal betraktes som positivt, uavhengig av hvor svak farge-linjen er i testområdet (T). Et positivt resultat utelukker ikke konfliksjon av en annen grunn.



Negativ:

Hvis en farge linje vises i kontrollområdet (C) innen 15-20 minutter, men ikke i testområdet (T), er testresultatet gyldig og negativ. Et negativt resultat utelukker ikke en virusinfeksjon med SARS-CoV-2 og bør bekriftes ved hjelp av molekylære diagnostiske metoder (f.eks. PCR) hvis det er mistanke om COVID-19.



Ugyldig:

Hvis det ikke vises noen farge-linje i kontrollområdet (C) innen 15-20 minutter, er testresultatet ugyldig. Gjenta testen med en ny testpatron.



Bla til snerr deg forsiktig for prøvetaking.

Forsikre deg om at du samler inn synlig prøvemateriale (næsesekret).

Urteplante kan også brukes til prøvetaking.

Følg bruksanvisningene nøyaktig.

Slipp bufferen bare i prøvebrannen (S).

For mange eller for få drøper av bufferen kan gi et ugyldig eller feil testresultat.

4. Teststrimmen er tydelig misfarget eller uskapt. Hva er det avhengig av?

Husk at testpatronen ikke må brukes senere enn med ett drøper av prøven, ellers vil væskeoppkoptaket av teststrimmen har en naturlig begrensning.

5. Det har gjort testen, men ingen kontroll-linje (C). Hva burde jeg gjøre?

Testresultatet ditt er ugyldig. Se svaret på spørsmål 4 og gjenta testen i henhold til bruksanvisningen.

6. Jeg er ikke sikker på hvordan jeg skal lese resultatet? Hva burde jeg gjøre?

Først resultatet skal anses som positivt, men til rette, horisontale linjer over hele kassetten brede være tydelig. Hvis du fremdeles er usikker på resultatenet må du kontakte det lokale helsestasjon som anbefalt av lokale myndigheter.

7. Resultatet mitt er positiv. Hva burde jeg gjøre?

Hvis testsettet bare viser en tydelig kontroll-linje og test-linjen, bar du kontakte nærmeste helsestasjon i henhold til anbefalingene fra de lokale myndigheter. Testresultatet ditt kan bli dobbsjekket, og myndigheten eller omsorgsinstituttet forklarer hvilke trinn som følger.

8. Resultatet mitt er negativ. Hva burde jeg gjøre?

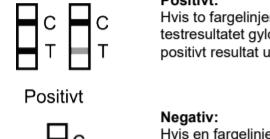
Hvis testsettet bare viser en tydelig kontroll-linje og test-linjen, bar du bety at du er negativ eller at virusbelastningen er for lav til å bli oppdaget. Hvis du opplever symptomer (feber, migrære, feber, migrære, mestet luktessans eller smak osv.), Kontakt legen din eller nærmeste helsestasjon i henhold til anbefalingene fra de lokale myndigheter.

Hvis du ikke er sikker, kan du gjenta testen.

9. Hvordan kan jeg kaste testsettet?

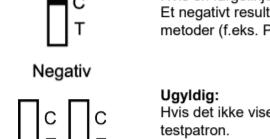
Testkassetten kan kastes sammen med vanlig husholdningsavfall i samsvar med lokale forskrifter.

TOLKNING AV TESTRESULTATER



Positiv:

Negativ:



Ugyldig:

Hvis det ikke vises noen farge-linje i kontrollområdet (C) innen 15-20 minutter, er testresultatet ugyldig. Gjenta testen med en ny testpatron.



KVALITETSKONTROLL:

Kontrolllinjen er et integrert reagente med funksjonen til å kontrollere prosessen. Kontrolllinjen vises når testen er utført riktig og når reagensene er reaktive.

1. Hvordan fungerer deteksjonen?

N-proteinet fra SARS-CoV-2-viruset reagerer med belegget på test-linjen og forårsaker fargeskift som får en rød linje til å vises. Hvis prøven ikke inneholder viral protein resp.抗原, reaksjonen forekommer ingen red-test-linje (T).

2. Når skal jeg teste meg selv?

Du kan teste deg selv når du har symptomer eller ikke. Studier har vist at tidlige tester i løpet av de første fire dagene av sykdommen betyr en høyere virusbelastning enn det er lettere å oppdage. Ettersom testresultatet er et tydelig øyeblikksbilde fra denne tiden, bar testene gjentas i henhold til anbefalingene fra de lokale myndigheter.

3. Hva kan påvirke testresultatet? Hva skal jeg tenke på?

Bla til snerr deg forsiktig for prøvetaking.

Forsikre deg om at du samler inn synlig prøvemateriale (næsesekret).

Urteplante kan også brukes til prøvetaking.

Følg bruksanvisningene nøyaktig.

Slipp bufferen bare i prøvebrannen (S).

For mange eller for få drøper av bufferen kan gi et ugyldig eller feil testresultat.

4. Teststrimmen er tydelig misfarget eller uskapt. Hva er det avhengig av?

Husk at testpatronen ikke må brukes senere enn med ett drøper av prøven, ellers vil væskeoppkoptaket av teststrimmen har en naturlig begrensning.

5. Det har gjort testen, men ingen kontroll-linje (C). Hva burde jeg gjøre?

Testresultatet ditt er ugyldig. Se svaret på spørsmål 4 og gjenta testen i henhold til bruksanvisningen.

6. Jeg er ikke sikker på hvordan jeg skal lese resultatet? Hva burde jeg gjøre?

Først resultatet skal anses som positivt, men til rette, horisontale linjer over hele kassetten brede være tydelig. Hvis du fremdeles er usikker på resultatenet må du kontakte det lokale helsestasjon som anbefalt av lokale myndigheter.

7. Resultatet mitt er positiv. Hva burde jeg gjøre?

Hvis testsettet bare viser en tydelig kontroll-linje og test-linjen, bar du kontakte nærmeste helsestasjon i henhold til anbefalingene fra de lokale myndigheter. Testresultatet ditt kan bli dobbsjekket, og myndigheten eller omsorgsinstituttet forklarer hvilke trinn som følger.

8. Resultatet mitt er negativ. Hva burde jeg gjøre?

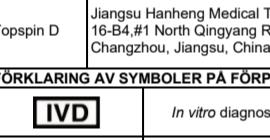
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Testkassetten kan kastes sammen med vanlig husholdningsavfall i samsvar med lokale forskrifter.

TILBEHØR:



TILBEHØR:

1. IVD: In vitro diagnostisk test

2. Producent: Jiangsu Changfeng Medical Industry Co., Ltd.

3. Autorisert representant innenfor EU: Lins Service & Consulting GmbH

4. CE-merking: CE 0197

5. Topspin A: Touqiao Town, Guangdong District Yangzhou 225109 Jiangsu P.R. China

6. Topspin B: Goodwood Medical Care Ltd.

7. Topspin C: Zhejiang Gongdeng Medical Technology Co., Ltd.

8. Topspin D: Jiangsu Hanheng Medical Technology Co.,Ltd.

9. FÖRKLARING AV SYMBOLERNA PÅ FÖRPACKNINGEN:

10. TILBEHØR:

11. FORTOLKNING AF TESTRESULTATERNE:

12. VÄLJERUTA:

13. TÄSTIMETTELMA:

14. TÄSTISETUP:

15. TÄSTISETUP:

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