

Wondfo
2019-nCoV Antigen Test (Lateral Flow Method)
 Please scan the QR code to watch the demonstration video.

WHAT DOES THE KIT TEST?

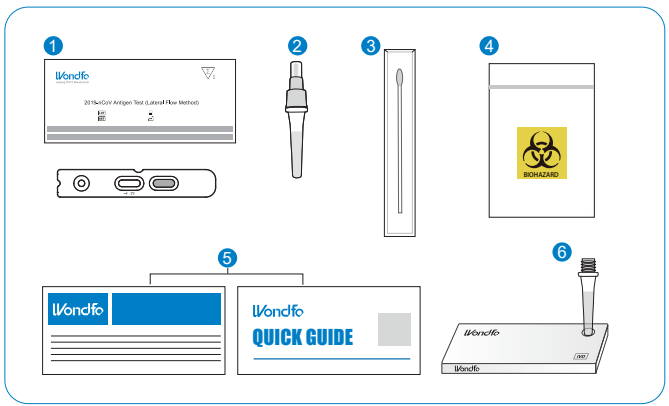
Wondfo 2019-nCoV Antigen Test (Lateral Flow Method) is a rapid test that is used for laymen of detecting novel coronaviruses (2019-nCoV) N protein antigen extracted from the nasal swab specimen. It is intended as an aid in the diagnosis of coronavirus infection disease (COVID-19) for symptomatic patients within 7 days after onset of symptoms, which is caused by 2019-nCoV.

For *in vitro* diagnostic use only. For self-testing use.

According to usability study on laymen use, the test can be correctly performed for anyone age over 18. However, nasal swab specimen from individuals aged below 18 years old should be collected and performed by another adult. While the users age over 75 should be aware of the removal of their nasal swab or have nasal swabs assist.

MAKE SURE YOUR TEST KIT CONTAINS

1. Sealed Pouch
2. Extraction Buffer
3. Disposable Sterile Swab
4. Biohazard Waste Bag
5. Instruction for Use
6. Tube Rack (in the outer box)



cough into the crook of your elbow. Wash your hands regularly and wear a face mask. Are your symptoms getting worse (difficulty breathing, high fever, etc.)? Contact your doctor/health provider immediately.

Q7. How accurate is the Wondfo 2019-nCoV Antigen Test (Lateral Flow Method)?

The test has been shown in field clinical evaluations performed by professional health care persons to correctly identify 99.84% (622 out of 623) of 2019-nCoV negative samples (known as the test's specificity). Further, in field clinical evaluations conducted in Germany and US, the test correctly identified 100% (129/129) 2019-nCoV negative samples when performed by self test users. The test has also been shown in field clinical evaluations performed by professional health care persons to correctly identify 91.63% (230 out of 251) of 2019-nCoV positive samples (known as the test's sensitivity). Further, in field clinical evaluations conducted in Germany and US, the test correctly identified 89.66% (26/29) of 2019-nCoV positive samples when performed by self test users.

Q8. Is there any chance that I get a "false" negative result with this test?

It is possible for this test to give an incorrect negative (false negative) result". This means that you could still have COVID-19 even though the test result is negative. If your result is negative and you still experience symptoms related to COVID-19, such as fever, cough and/or shortness of breath, you should seek help from your healthcare provider.

Q9. Is there any chance that I get an incorrect positive result?

There is a very small chance that this test gives you a positive result that is incorrect (false positive). If you get a positive result, you should self-isolate and seek medical help from your healthcare provider.

Q10. I have used the test but no colored band appears at control line (C). What should I do?

If there is no colored band appears at control line (C) within 15 minutes of performing the test, then the test has not worked. You should test again, using a new test, taking care to follow the instruction.

Q11. Can any medication or medical conditions affect the results?

Yes, it may affect your test result, consult your doctor, and always read the manufacturers' instructions for any medication you are taking before conducting the test.

Q12. What are the possible risks of this test?

- Possible Risks:
- Discomfort during the sampling
 - Incorrect test results (see Interpreting Results and Limitations Sections).

BIBLIOGRAPHY

1. Centers for Disease Control and Prevention (CDC). Interim

Specifications

Components	REF	W634P0024	W634P0028	W634P0029
Sealed Pouch(pcs)		1	2	3
Extraction Buffer		1	2	3
Disposable Sterile Swab (pcs)		1	2	3
Biohazard Waste Bag (pcs)		1	2	3
Instruction for Use (pcs)		1	1	1

Components	REF	W634P0025	W634P0026	W634P0027
Sealed Pouch(pcs)		5	10	20
Extraction Buffer		5	10	20
Disposable Sterile Swab (pcs)		5	10	20
Biohazard Waste Bag (pcs)		5	10	20
Instruction for Use (pcs)		1	1	1

WHAT ELSE DO YOU NEED? — Timer or watch.

WARNING AND PRECAUTION

1. Read the instruction for use completely before using the product. Follow the instructions carefully. Failure to do so may result in an inaccurate result.
2. This kit is for external use only, do not swallow.
3. Avoid getting the buffer solution into the eyes or skins.
4. Keep out of reach children.
5. The test kit is for single use only, do not reuse any components of the test kit.
6. Do not use this test beyond the expiration date printed on the outer package. Always check expiry date prior to testing.
7. Do not touch the reaction area of the test cassette.
8. Do not use the kit if the pouch is punctured or not well sealed.
9. **DIPOSAL.** All specimens and the used-kit has the infectious risk. Discard all the test components in the provided biohazard waste bag after use. The process of disposing the diagnostic kit must follow the local, state and federal infectious disposal laws/regulations.
10. Do not eat, drink or smoke in the area where handling specimens or test kits.

Guidelines for Collecting, Handling, and Testing for Patients with Suspected Novel Influenza A (H1N1) Virus Infection. Available online at: <https://www.cdc.gov/h1n1flu/specimencollection.htm>

2. Song F, Zhang X, Zha Y, Liu W. COVID-19: Recommended sampling sites at different stages of the disease. *J Med Virol.* 2020;92(9):1383-1385. doi:10.1002/jmv.25892.

3. Tu YP, O'Leary T. Testing for Severe Acute Respiratory Syndrome-Coronavirus 2. Challenges in Getting Good Specimens, Choosing the Right Test, and Interpreting the Results. *Crit Care Med.* 2020;48(11):1680-1689. doi:10.1097/CCM.0000000000004594.

INDEX OF SYMBOL

	Do Not Reuse		See Instruction for Use		Expiry Date
	Manufacturing Date		Keep Dry		Batch Number
	Keep Away from Sunlight		Manufacturer		Catalog #
	Tests Per Kit		In Vitro Diagnostic Use		Authorized Representative

Guangzhou Wondfo Biotech Co., Ltd.
 No. 8 Lizhishan Road, Science City, Luogang District, 510663 Guangzhou, P.R.China
 Tel: 0086-20-3229-9890/0086-20-3229-9786
 Website: www.wondfo.com.cn
 E-mail: service@wondfo.com.cn

Qadad EC-REP BV
 Pas 267
 2040 Geel
 Belgium

Suppliers of disposable sterile swab

1. Miraclelan Technology Co., Ltd. (according to Directive 93/42/EEC) No.18, Rongshuxia Industrial Zone Tongli Community, Longgang District Shenzhen 518116 Guangdong China
 EC representative name: Share Info Consultant Service LLC Repräsentanzbüro
 EC representative address: Heerdter Lothweg 83, 40549 Düsseldorf Heerdter Lothweg 83, 40549 Düsseldorf, Germany
2. Jiangsu Changfeng Medical Industry Co., Ltd. (according to Directive 93/42/EEC) Touqiao Town, Guangting District Yangzhou 225109 Jiangsu P.R.China
 EC representative name: Lina Service & Consulting GmbH
 EC representative address: Obere Seespäße 34/2, 69124 Heidelberg, Germany
3. Medico Biomedical Technology Co., Ltd. (according to Directive 93/42/EEC) Room 201 of Building 14th and Building 17th, Hengyi Lane, Yuanhu Road, Zhongbei Industrial Park, Longcheng Street, Longgang District, Shenzhen, Guangdong, China
 EC representative name: Welikang Ltd
 EC representative address: Enterprise Hub, NW Business Complex,1 Beraghmore Rd, Derry, BT488SE, N. Ireland, UK
4. Jiangsu Hanheng Medical Technology Co., Ltd. (according to Directive 93/42/EEC) 165A, #11 North Qingyang Road, Taining District, 213017 Changzhou, Jiangsu, China
 EC representative name: Luxus Lebenswell GmbH
 EC representative address: Kochstr. 1, 47677, Willich, Germany
5. Shenzhen KangQian Biological Technology Co., Ltd. (according to Directive 93/42/EEC) East-1, 3rd floor, Building 2, Shunmeida Factory Lixianqiang industrial zone, Xili street Nanshan district, Shenzhen 519055 Guangdong P.R. China
 EC representative name: Share Info Consultant Service LLC Repräsentanzbüro
 EC representative address: Heerdter Lothweg 83, 40549 Düsseldorf Heerdter Lothweg 83, 40549 Düsseldorf Germany

STORAGE AND STABILITY

1. The test kit should be stored at 2-30°C (storage in refrigerator is permitted). Do not store the kit in the freezer. Improper storage may result in an inaccurate result.
2. The test cassette is sensitive to humidity and temperature. Once removed from foil pouch, test cassette is stable for up to 1 hour.
3. The test kit is stable until the expiration date printed on outer package. Do not use it beyond the expiration date.
4. The test cassette must remain in the sealed pouch until use.

HOW TO USE THE TEST?

Choose a location to do this test where it can sit UNDISTURBED for 20 minutes. Bring the test components to room temperature (10-30°C).

1. Wash and dry hands before you begin to perform the test.
2. Please check the expiration date printed on the BOX Do not use it beyond the expiration date.



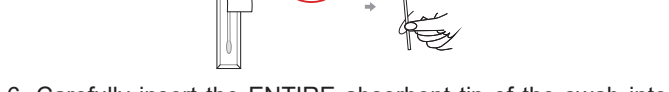
3. Take out the Extraction Buffer Tube, unscrew the lid and place the tube in the tube rack (The tube rack is in the outer box, see below).



4. Take out the Test Cassette from sealed pouch and lay it flat.



5. Remove the swab from the container, being careful NOT to touch the soft end, which is the absorbent tip.



6. Carefully insert the ENTIRE absorbent tip of the swab into your nostrils.
7. Slowly sample the nasal wall by rotating the swab in a circular path 5 times against the nasal wall. Slowly remove

swab from the nostril. Repeat the same process with the same swab in the other nostril.

NOTE: This step should take approximately 15 seconds, ensuring to collect mucous and cells.

NOTE: Simply twirling the swab against one part of the inside of the nose or leaving the swab in the nose for 15 seconds is not a proper technique and may result in an insufficient sample.



CAUTION: If the swab stick breaks during specimen collection, repeat specimen collection with a new swab.

8. Insert the swab into the Extraction Buffer Tube and immerse the entire tip of swab into the Extraction Buffer. Rotate about 10 times and squeeze the absorbent tip through the lower buffer tube.

9. Snap off the swab at the break point, leave the swab tip in the tube, cap the lid and leave the tube on the tube rack for 1 minute.



10. Unscrew the small cap at the top of the Extraction Buffer Tube. Lay the Cassette flat and add 4 drops processed specimen into the sample well.

11. Wait for 15 minutes and read the results. Do not read results after 20 minutes.



12. After test is completed, put all test kit materials into the biohazard waste bag and dispose it according to the local biohazard waste disposal policy.

13. Re-apply hand sanitizer.



Wondfo Quick Guide
 2019-nCoV Antigen Test (Lateral Flow Method) Operation Video

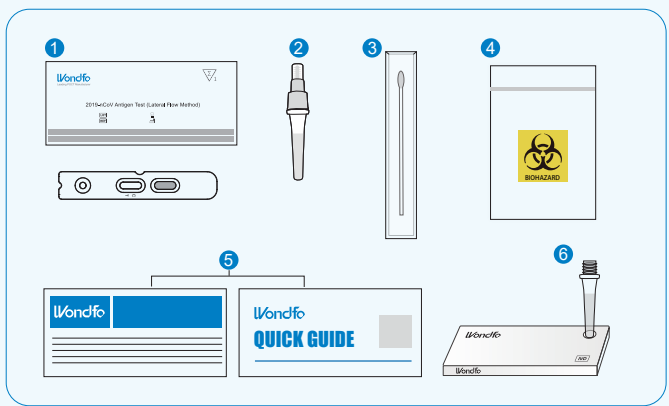
- Nasal swab specimen from individuals aged below 18 years old should be collected and performed by another adult.
- Individuals aged over 75 should be aware of the removal of the nasal swab, or need a collection assistant if necessary.
- The test result must be read in 15 minutes, DO NOT read the result after 20 minutes.
- Please wash or disinfect your hands carefully before and after performing the test.
- Please take the necessary security measures when testing other people (e.g. face mask, gloves).

Product Components

1. Sealed Pouch
2. Extraction Buffer
3. Disposable Sterile Swab
4. Biohazard Waste Bag
5. Instruction for Use
6. Tube Rack (in the outer box)

Other required items (not included in the test kit)

Clock or timer



STOCKAGE ET STABILITÉ

1. Ne stockez pas le kit dans le congélateur. Un stockage incorrect peut entraîner un résultat inexact.
2. La cassette de test est sensible à l'humidité et . Une fois retirée de la pochette en aluminium, la cassette de test est stable jusqu'à 1 heure.
3. Le kit de test est stable jusqu'à la date de péremption imprimée sur l'emballage extérieur. Ne l'utilisez pas au-delà de la date de péremption.
4. La cassette de test doit rester dans le sachet scellé jusqu'à son utilisation.

COMMENT UTILISER LE TEST ?

Choisissez un endroit pour faire ce test où il n'est pas DÉRANGÉ pendant 20 minutes. Amenez les composants de test à température ambiante (10°C-30°C)

1. Lavez-vous et séchez-vous les mains avant de commencer le test.
2. VEUILLEZ VÉRIFIER LA DATE D'EXPIRATION SUR LA BOÎTE Ouvrez votre kit de test et vous devriez avoir.



3. Retirez le tube de tampon d'extraction, dévissez le couvercle et placez le tube dans le support de tubes. (Le porte-tubes est dans la boîte extérieure, voir ci-dessous).



4. Retirez la cassette de test de la pochette scellée et posez-la à plat.



5. Retirez l'écouvillon du contenant, faites attention à NE PAS toucher l'extrémité souple, qui est la pointe absorbante.



6. Insérez soigneusement la pointe absorbante ENTIERE de l'écouvillon dans vos narines.

Test Procedure

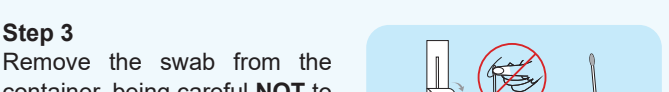
Step 1

Take out the Extraction Buffer Tube, unscrew the lid and place the tube in the tube rack (The tube rack is in the outer box.)



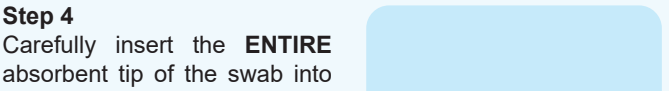
Step 2

Take out the Test Cassette from foil pouch and lay it flat.



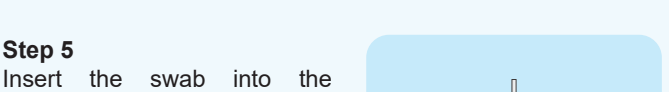
Step 3

Remove the swab from the container, being careful NOT to touch the soft end, which is the absorbent tip.



Step 4

Carefully insert the ENTIRE absorbent tip of the swab into your nostrils. Firmly sample the nasal wall by rotating the swab in a circular path five times against the nasal wall. Slowly remove swab from the nostril. (This step should take approximately 15 seconds, ensuring to collect mucous and cells.) Repeat the above sampling in other nostril with the same swab.



Step 5

Insert the swab into the Extraction Buffer Tube and immerse the entire tip of swab into the Extraction Buffer. Rotate about 10 times and squeeze the absorbent tip through the lower buffer tube.



HOW TO READ THE RESULTS?

Positive Result

Two red lines will appear. One on the top half and one on the bottom half. COVID-19 was detected. (Please see Q5 for details)

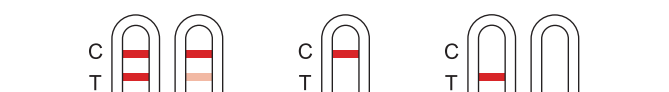
NOTE: It does not matter if one of the lines that make up the test line (T) is lighter or darker than the other; the result is "Positive".

Negative Result

A single red line on the top half. COVID-19 was not detected. (Please see Q6 for details)

Invalid Result

If you see no line appearing on the top half, the test is invalid. It is recommended to repeat the test from collecting a new disposable sterile swab.

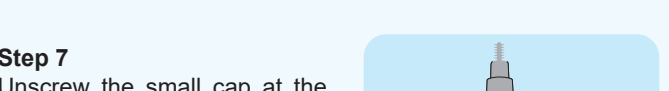


LIMITATIONS OF PROCEDURE

1. This reagent is designed to detect 2019-nCoV antigen in human nasal swab specimen.
2. Failure to follow the instructions for the test procedure and interpretation of test results may adversely affect test performance and/or produce invalid results.
3. Reading the test results earlier than 15 minutes or later than 20 minutes may give incorrect results.
4. The sample collection process will affect the accuracy of the test, such as improper sample collection, improper sample storage, etc.
5. This reagent is a qualitative assay. As it is with any diagnostic procedure, a confirmed 2019-nCoV infection diagnosis should only be made by a physician after evaluating all clinical and laboratory findings.
6. Negative test results may occur if the level of antigen in a sample is below the detection limit of the test, or from improper sample collection, and the negative results are not intended to exclude other non 2019-nCoV virus infections.
7. Positive test results do not exclude co-infections with other pathogens and does not identify specific 2019-nCoV virus subtypes, like SARS-CoV virus.
8. A negative test result does not rule out a coronavirus infection and does not exempt you from the applicable rules for spread control (e.g. contact restrictions and protective measures).

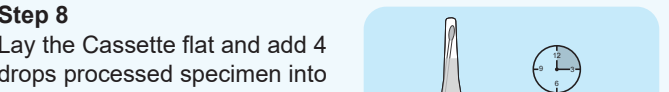
Step 6

Snap off the swab at the break point, leave the swab tip in the tube, cap the lid and leave the tube on the tube rack for 1 minute.



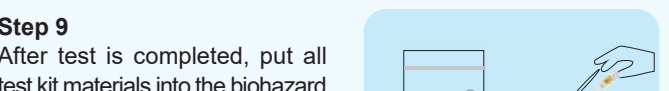
Step 7

Unscrew the small cap at the top of the Extraction Buffer Tube.



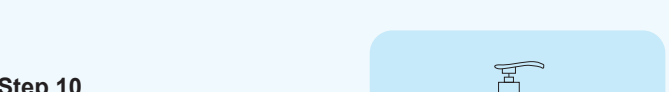
Step 8

Lay the Cassette flat and add 4 drops processed specimen into the sample well.



Step 9

After test is completed, put all test kit materials into the biohazard waste bag and dispose it according to the local biohazard waste disposal policy.



Step 10

Re-apply hand sanitizer.



Step 11

Result interpretation

Positive (+)

Two red lines will appear. One on the top half and one on the bottom half. COVID-19 was detected.

NOTE: It does not matter if one of the lines that make up the test line (T) is lighter or darker than the other; the result is "Positive". (Please refer to Q5 in the Instruction for Use for details)

COMMENT LIRE LES RÉSULTATS ?

Résultat positif

Deux lignes rouges apparaîtront. Une sur la moitié supérieure et une autre sur la moitié inférieure. La COVID-19 a été détectée. (Veuillez voir Q5 pour plus de détails)

REMARQUE : peu importe si l'une des lignes qui composent la ligne de test (T) est plus claire ou plus foncée que l'autre ; le résultat est « positif ».

Résultat négatif

Une seule ligne rouge sur la moitié supérieure. La COVID-19 n'a pas été détectée. (Veuillez voir Q6 pour plus de détails)

Résultat invalide

Si aucune ligne n'apparaît sur la moitié supérieure, le test n'est pas valide. Il est recommandé de répéter le test à partir de la collecte d'un nouvel écouvillon nasal.



LIMITES DE PROCÉDURE

1. Ce réactif est conçu pour détecter l'antigène Covid-19 dans un spécimen par écouvillonnage à prélèvement nasal humain.
2. Le non-respect des instructions relatives à la procédure de test et à l'interprétation des résultats du test pourrait défavorablement affecter les performances du test et / ou produire des résultats invalides.
3. La lecture des résultats du test moins de 15 minutes ou plus de 20 minutes pourrait donner des résultats incorrects.
4. Le processus de prélèvement des échantillons affectera la précision du test, comme une collecte incorrecte des échantillons, un stockage incorrect des échantillons, etc.
5. Ce réactif est un test qualitatif. Comme toute procédure de diagnostic, un diagnostic d'infection Covid-19 confirmé ne doit être posé que par un médecin après avoir évalué tous les résultats cliniques et de laboratoire.
6. Des résultats de test négatifs pourraient survenir si le niveau d'antigène dans un échantillon est inférieur à la limite de détection du test, ou en raison d'une collecte d'échantillons incorrecte, et les résultats négatifs ne sont pas destinés à exclure d'autres infections virales non Covid-19.
7. Les résultats de test positifs n'excluent pas les co-infections avec d'autres agents pathogènes et n'identifient pas les sous-types spécifiques du virus Covid-19.
8. Un résultat de test négatif n'exclut pas une infection à coronavirus et ne vous dispense pas des règles applicables pour le contrôle de la propagation (par exemple, les restrictions de contact et les mesures de protection).

QUESTION & ANSWER

Q1. How does the Wondfo 2019-nCoV Antigen Test (Lateral Flow Method) work?

The Wondfo 2019-nCoV Antigen Test is an antigen test that is used to detect the presence of protein fragments (antigen) from the 2019-nCoV in nasal swab specimen.

Q2. What is the difference between a COVID-19 antigen, molecular, and antibody test?

There are different kinds of tests for diagnosing COVID-19. Molecular tests (also known as PCR tests) detect genetic material from the virus.

The Wondfo 2019-nCoV Antigen Test (Lateral Flow Method) is an antigen test which detects small parts or proteins from the virus. Antigen tests are

