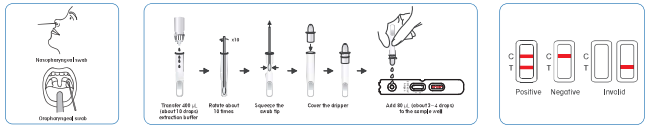
PRODUCT SPECIFICATIONS

Product Components

Test cassette | Extraction buffer | Extraction tube | Swab

Operation procedure



Performance

Reagents		PCR		Total
		Positive	Negative	
Wondfo 2019-nCoV Antigen Test (Lateral Flow Method)	Positive	478	1	479
	Negative	19	361	380
Total		497	362	859

Sensitivity: 96.18% (95%CI: 96.43%~98.49%)
Specificity: 99.72% (95%CI: 98.45%~99.95%)
Total agreement: 97.67% (95%CI: 94.11%~97.54%)

Order information

Catalog No.	Product Name	Packing Size	Sample Type	Storage Condition	Shelf Life	Qualification
W196	2019-nCoV Antigen Test (Lateral Flow Method)	20T	Nasopharyngeal swab or oropharyngeal swab	2~30 ℃	12 months	CE

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WONDFO BIOTECH
WeAreWorkingForYourHealth

Wondfo®

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Wondfo®

WONDFO 2019-nCoV ANTIGEN TEST

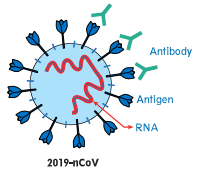
Speed Up the **COVID-19** Control !

Guangzhou Wondfo Biotech Co., Ltd.

WONDFO 2019-nCoV ANTIGEN TEST

- Direct detection of the virus
- Instant results within 15mins
- Easy to use, no equipment required
- Room temperature storage(2–30℃)
- Non-invasive sampling (sample type: nasopharyngeal or oropharyngeal swab)
- Early detection of COVID-19 (WHO recommends the testing period is from 3 days before to 5-7 days after symptoms onset)

CURRENT DIAGNOSTIC METHODS FOR COVID-19



Antigen test
Detect the antigen of the virus, indicating the active viral infection.

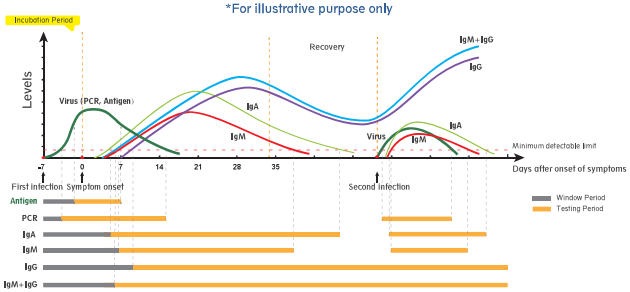
RT-PCR
Detect the RNA of virus, indicating the active viral infection.

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

WHEN TO USE ANTIGEN TEST?

Releasing profile

Levels of 2019-nCoV virus and antibodies after infection
*For illustrative purpose only



* Incubation Period: 1–14 days, mostly 3–7 days
* Antibody Window Period: 5–10 days after onset of symptoms
* The minimum detectable limit varies with methodology and sensitivity of test
* IgG antibody test can be referred as one of discharge criteria for recovering COVID-19 patients

ANTIGEN TEST ADVANTAGES

Antigen test OVER RT-PCR

- Short turn-around time (Antigen test: 20mins vs. RT-PCR: 2hours)
- Inexpensive cost, no equipment required and simple operation make antigen test suitable for point-of-care (POC) setting usage.

Antigen test OVER Antibody test

- Detect the virus directly, allowing the early detection of COVID-19
- Non-invasive sampling (sampling type: blood vs. swab)

ANTIGEN TEST APPLICATION

Similar to RT-PCR, the detection of antigen indicates the active infection. Under the circumstance that the area(s) still undergo widespread community transmission with limited RT-PCR resources, antigen can be used for aiding in the diagnosis of COVID-19 suspect patients.

* American CDC also recommends to use rapid antigen tests for screening testing in high-risk congregate settings where the immediate result is required.

Result interpretation

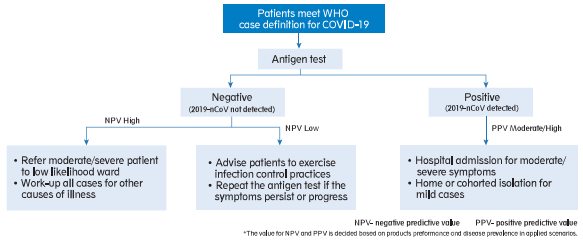
POSITIVE
The patient is undergo active 2019-nCoV infection. Further isolation is required.

NEGATIVE
The patient should be further evaluated by RT-PCR, especially if the result of the antigen test is inconsistent with the clinical context.

ANTIGEN TEST OFFICIAL GUIDELINES

World Health Organization

Antigen-detection in the diagnosis of novel coronavirus (2019-nCoV) infection using rapid immunoassays



NPV- negative predictive value PPV- positive predictive value
*The value for NPV and PPV is decided based on products preformance and disease prevalence in applied scenarios.

Other antigen test related guidelines

- Interim Guidance for Rapid Antigen Testing for 2019-nCoV, American CDC (8-16-20)
- Considerations for Use of 2019-nCoV Antigen Testing in Nursing Homes, American CDC (8-27-20)
- Antigen-Detection in the Diagnosis of 2019-nCoV Infection Using Rapid Immunoassays, WHO (9-11-20)
- Considerations for Implementation of 2019-nCoV Rapid Antigen Testing, APHL (9-2-20)