Novel Coronavirus（COVID-19）
Antigen Detection Kit

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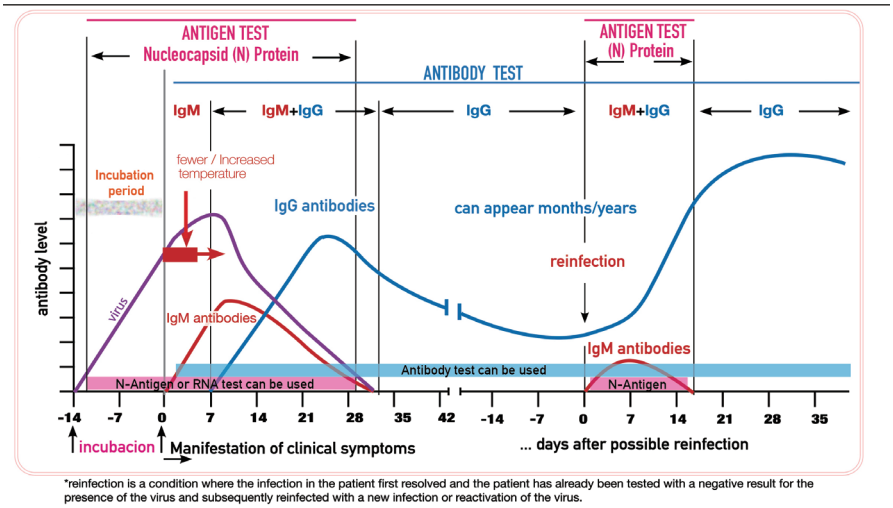
What is antigen test

The antigen detection kit detects the novel coronavirus N protein antigen, which can be detected in the early stage of viral infection and can be used as direct evidence of viral infection. It can be used as an auxiliary diagnostic index in clinical practice.

Comparison of three detection methods



*reinfection is a condition where the infection in the patient first resolved and the patient has already been tested with a negative result for the presence of the virus and subsequently reinfected with a new infection or reactivation of the virus.

Test sample

oropharyngeal/nasopharyngeal

Testing advantage

Quick and simple: the results can be obtained in 15min.

Good specificity: free from the interference of other viruses, with low false positive rate.

High sensitivity: marked with fluorescent microspheres, Minimum 150 $TCID_{50}$ can be detected.

Short window period: it can be detected in the early course of the disease or even in the incubation period, the early detection the early intervention.

Easy to transport: only room temperature transport, no need for cold chain, save time and effort.

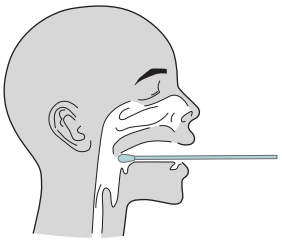
Clinical effect

Table:Clinical Study Result

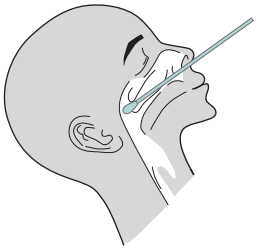
		Nucleic acid method		
		Positive	Negative	Total
SARS-CoV-2 Antigen test	Positive	54	0	54
	Negative	6	160	166
	Total	60	160	220

Sensitivity＝90%　　Specificity＝100%　　Accuracy＝97.27%

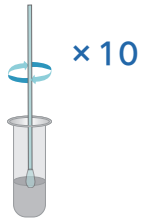
Sample collection



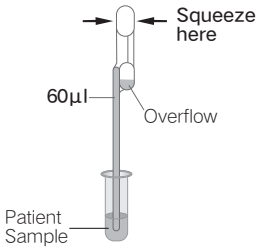
Oropharyngeal Swab Sample



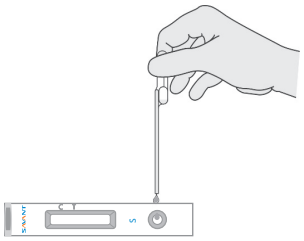
Nasopharyngeal Swab Sample



Mix the specimen
with extraction buffer.



The matched 60ul constant volume pipette
was used to suck the specimen.



Slowly apply the specimen（60ul）into the input
hole of the test card.

Read Results

Leave the detection card at room temperature for 15 minutes, and read the results.
In lab settings: Using fluorescence immunoassay chromatography analyzer to obtain final result.