

## **Rapid Covid Test Kit**

The test kit is applicable to clinical system, medical institutions and scientific research field.

### **Introduction:**

The novel Corona viruses belong to the  $\beta$  genus. COVID-19 is an acute respiratory infectious disease. Currently, the patients infected by novel corona virus 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.

The main manifestation includes fever, fatigue and dry cough. Nasal congestion, runny nose, sore throat, myalgia and diarrhea are found in a few cases. Coronavirus are enveloped RNA viruses that are distributed broadly among humans, other mammals, and birds and that cause respiratory, enteric, hepatic, and neurologic diseases. Seven Coronavirus species are known to cause human disease.

Four viruses - 229E, OC43, NL63, and HKU1 - are prevalent and typically cause common cold symptoms in immunocompetent individuals.

The three other strains - severe acute respiratory syndrome Coronavirus (SARS-CoV), Middle East respiratory syndrome Corona virus (MERS-CoV) and 2019 Novel Coronavirus (COVID-19) - are zoonotic in origin and have been linked to sometimes fatal illness.

The COVID-19 Antigen Rapid Test Kit can detect pathogen antigens directly from nasopharyngeal swab or oropharyngeal swab specimens.

### **Intended Use:**

COVID-19 Antigen Rapid Test Kit is a solid phase immuno chromatographic assay for the in vitro qualitative detection of antigen to 2019 Novel Corona virus in human nasopharyngeal secretion or oropharyngeal secretion. This test kit provides only a preliminary test result for COVID-19 infection as a clinically-assisted diagnosis. The test kit is applicable to clinical system, medical institutions and scientific research field.

### **Features:**

Specimen type: Nasal aspirate fluid/ Nasal swab

Testing time: 15 min

Sensitivity: 90%

Specificity: >99%