

# MERISCREEN COVID-19 ANTIGEN DETECTION TEST

Meril

Diagnostics

MeriScreen COVID-19 Antigen Detection Test is a rapid immunochromatographic assay test for the qualitative detection of SARS-CoV-2 antigen in nasopharyngeal swab sample from a human body



## Salient Features

- ◆ Coated with highly purified Monoclonal anti-SARS-CoV-2 antibody
- ◆ Ideal for early detection of COVID - 19
- ◆ Detects COVID - 19 from Onset of symptoms
- ◆ Suitable for on the spot testing

## Ease of operation

- ◆ User friendly protocol
- ◆ Results in 20 minutes
- ◆ Sample is Nasopharyngeal swab
- ◆ Storage at Room Temperature (2°C to 30°C)

## Accuracy

- ◆ Approved by ICMR
- ◆ Sensitivity: 96.6%
- ◆ Specificity: 100%

## Ordering Information

Product Code	Material Description	Pack Size
NCTCAG-01	MERISCREEN COVID-19 Antigen Detection Test	25 Tests
NCTCAG-02	MERISCREEN COVID-19 Antigen Detection Test	50 Tests

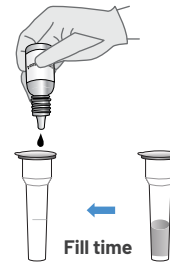
## Principle

COVID-19 Antigen Detection Test is an immunoassay test for rapid and qualitative detection of SARS-CoV-2 infection from swab specimens. Monoclonal anti-SARS-CoV-2 antibodies are coated on the test line region. Antigens of SARS-CoV-2, if present in the specimens will interact with monoclonal anti-SARS-CoV-2 antibodies conjugated with gold conjugate making antigen-antibodies conjugate complex. This complex migrates on the membrane through capillary action, where it will be captured by the monoclonal anti-SARS-CoV-2 antibody coated on the test line. A colored test line would be visible in the result window if SARS-CoV-2 antigens are present in the specimen. The intensity of colored test line will vary depending upon the amount of SARS-CoV-2 antigen present in the specimen.

## Protocol

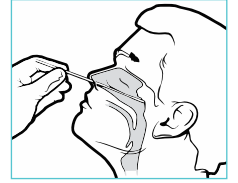
### STEP - 1

#### Preparation Extraction Solution



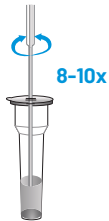
Fill the Extraction solution (300µl)

#### Nasopharyngeal Swab

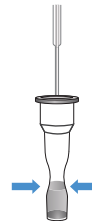


Nasopharyngeal Swab Collection

### STEP - 2



Collect the specimens from the patient using provided swab

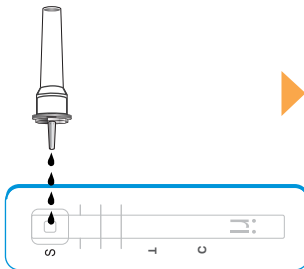


Make the swab with Extraction solution



Place the cap

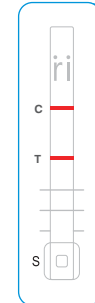
### STEP - 3



Add 4 drops (~100µl) of the solution into the sample well



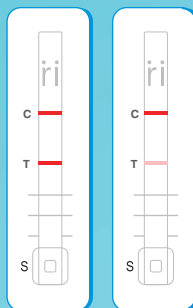
15-20 min



Results Interpretation

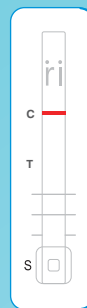
## Interpretation of test results

### Positive



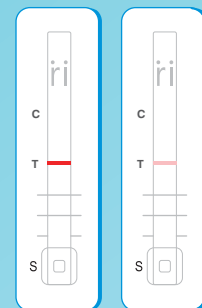
COVID-19 Ag Positive

### Negative



Negative

### Invalid



Invalid

### Key

- “ C ” Control Line ▶
- “ T ” Test Line ▶



Meril Diagnostics Pvt. Ltd.

D1 - D3, Second Floor, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg, Chala, Vapi - 396191, India

601, Midas, Sahar Plaza Complex, J.B Nagar, Andheri East, Mumbai - 400059

Tel: +91 22 30732400 | Fax: +91 22 39350777 | Customer Care: 1-800-266-3745 (Toll Free) | Email: diagnostics@merillife.com