

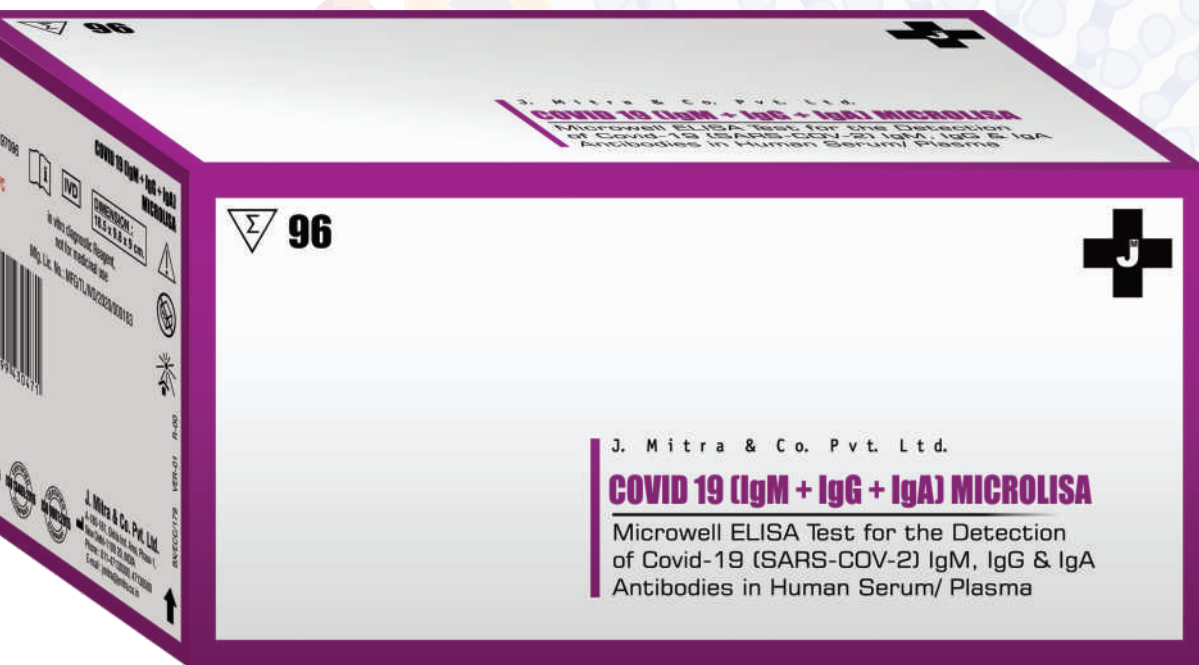


.....a vision to serve mankind™

First Indian  
Company to  
Manufacture COVID-19  
Double Recognition  
Sandwich ELISA  
Test Kit

# COVID 19 (IgM + IgG + IgA) MICROLISA\*

Microwell ELISA Test for the Detection of Covid-19 (SARS-COV-2)  
IgM, IgG & IgA Antibodies in Human Serum/ Plasma



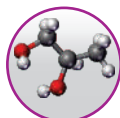
## SENSITIVITY & SPECIFICITY



SENSITIVITY: **94.04%\*** &  
SPECIFICITY: **100%\***

\* As per Evaluation from ICMR NARI, Pune

## TECHNIQUE



BASED ON  
DOUBLE ANTIGEN  
SANDWICH ELISA

## COLOR CODED REAGENTS



TO MONITOR  
PROCEDURAL STEPS

## PROCEDURE TIME



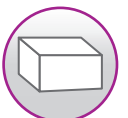
90 MINUTES

## SHELF LIFE

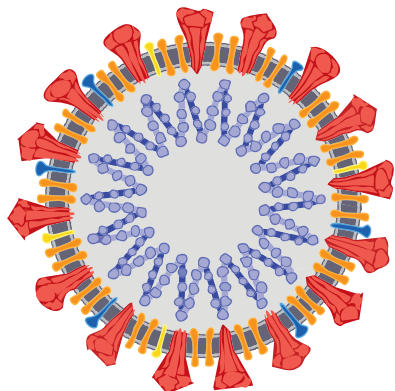


12 MONTHS  
AT 2-8°C

## PACK SIZE



96 TEST PACK



## COVID 19: AN OVERVIEW

COVID-19 is designated as severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). SARS-CoV-2 belongs to the family of coronaviruses which are capable of causing illnesses ranging from the common cold to more severe diseases. WHO declared the Covid 19 as Global Pandemic in March 2020. The disease course of Covid 19 is diverse ranging from asymptomatic to fatal respiratory failure. Currently, the laboratory method for detecting SARS-CoV-2 infection is RT-PCR. Viral load decreases rapidly 9 or 10 days after onset of symptoms.

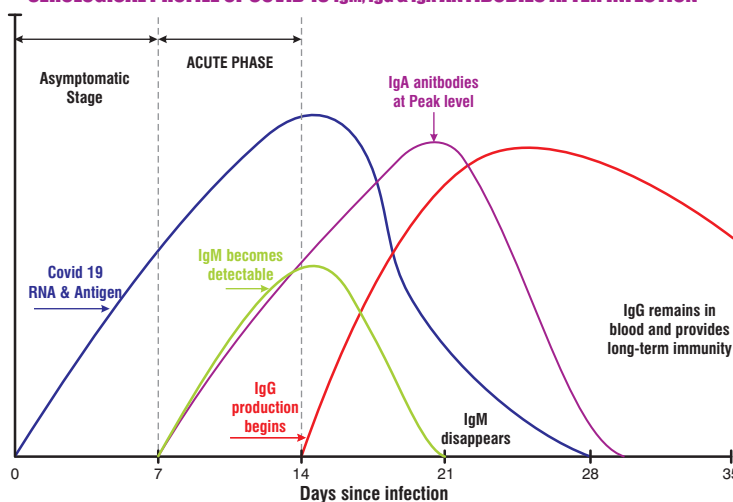
## COVID 19: SEROLOGICAL PROFILE

Various studies have shown that IgM and IgG class of antibodies can be detected almost simultaneously in the early phase of Covid 19 infection. During the acute phase of infection, the titer of IgM & IgA antibodies to SARS-CoV-2 rises rapidly and IgA antibodies peaks around 22 days while IgM antibodies peaks around 14 days. The IgG antibodies to Covid 19 appear around 14-15 days and may persist for 6 months or more.

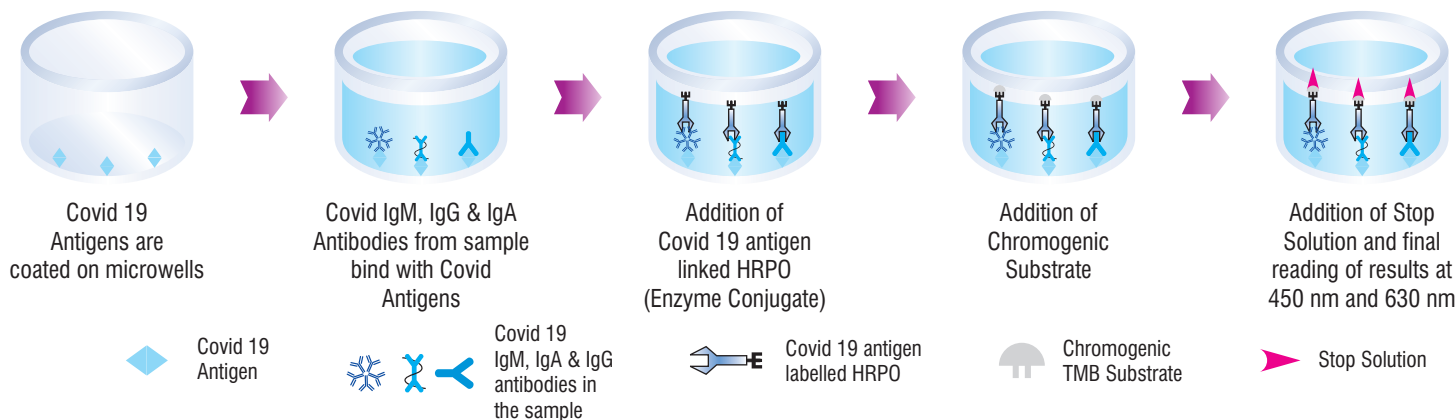
The detection of total antibodies (IgM, IgG & IgA) to SARS-Covid-2 virus provides the improved sensitivity and better tool for screening and following up an acute or recent infection. Signal to noise ratio of RT-PCR confirmed Covid positive samples is high in double recognition sandwich ELISA as compared to Covid IgM or Covid IgG differential ELISA tests kit. Detection of IgM, IgG & IgA antibodies to Covid 19 antibodies are useful in:

- Providing information for disease prevalence
- Frequency of asymptomatic infection
- Identification of potential donor for convalescent plasma
- To test the susceptibility or resistance to subsequent re-infection.
- To perform epidemiological and surveillance studies
- To track the spread of virus.

### SEROLOGICAL PROFILE OF COVID 19 IgM, IgG & IgA ANTIBODIES AFTER INFECTION\*\*



## TEST PRINCIPLE:



\*Disclaimer: This product is to be used by Govt. approved labs for Covid -19 Antibody testing.

Also Connect with us on:



For further enquiries, Please contact:

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