



J. Mitra & Co. Pvt. Ltd.

.....a vision to serve mankind™

VACCINATED



Antibodies in your body?

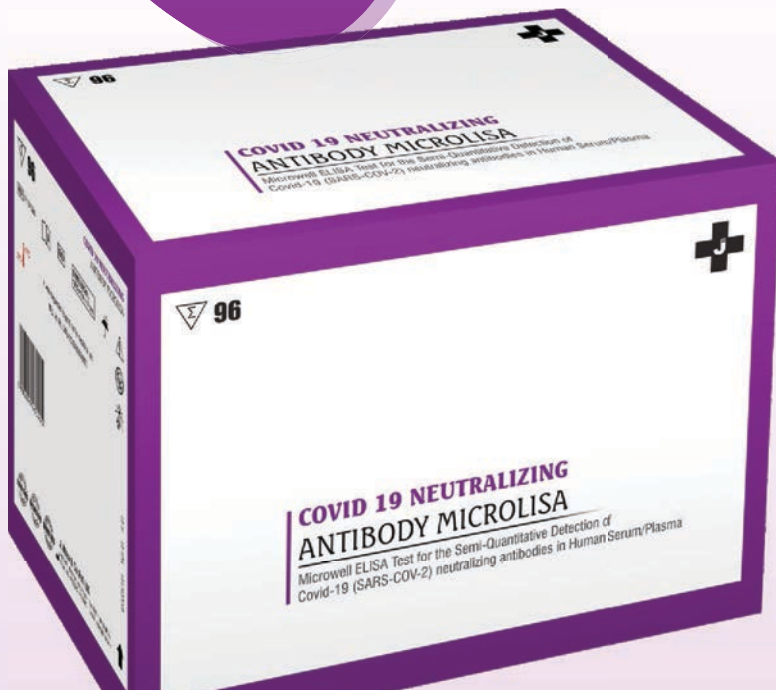


Check your **STATUS** and Stay **SAFE**

COVID-19 NEUTRALIZING ANTIBODY MICROLISA

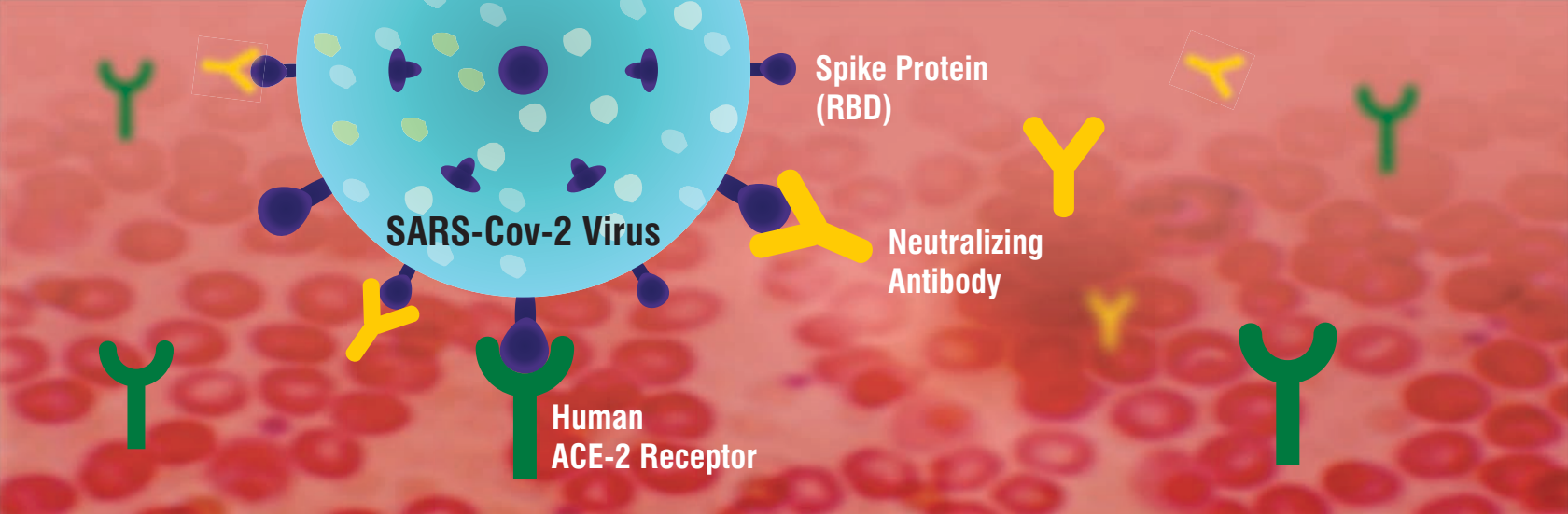
Microwell ELISA Test for the Semi-Quantitative Detection of Covid-19
(SARS-COV-2) neutralizing antibodies in Human Serum/Plasma

First Indian Company to
Manufacture COVID-19
Neutralizing Antibody
ELISA Test Kit



KEY FEATURES:

- ★ **SENSITIVITY: 95.9% & SPECIFICITY: 100%**
- ★ **BASED ON BLOCKING ELISA TECHNOLOGY**
- ★ **PROCEDURE TIME: 75 MINUTES ONLY**
- ★ **COLOR CODED REAGENTS**
- ★ **SINGLE WASHING STEP**
- ★ **SHELF LIFE: 12 MONTH AT 2-8°C**
- ★ **PACKSIZE: 96 TESTS**



COVID 19 NEUTRALIZING ANTIBODY: AN OVERVIEW

A neutralizing antibody (NAb) is an antibody that is responsible for defending cells from pathogens, which are organisms that cause disease. They are produced naturally by the body as part of its immune response, and their production is triggered by both infections and vaccinations against infections. Neutralizing antibodies (NAbs) are produced by B cells within the immune system and are characterized by stopping infections through incapacitation of the invading pathogen. Virus neutralizing antibodies directly inactivate a virus by blocking cell entry, replication, or other vital function.

Neutralizing antibodies developed against SARS-CoV-2 prevent the interaction between receptor binding domain viral spike glycoprotein (RBD) and cell surface receptor angiotensin converting enzyme-2 (ACE2).

TEST PRINCIPLE:

RBD binding to hACE-2 is blocked



Covid-19 Neutralizing Antibodies Positive Test

RBD Successfully binds to hACE-2 Protein



Covid-19 Neutralizing Antibodies Negative Test



hACE-2 antigen coated on microwells



Covid-19 Neutralizing Antibodies (from specimen)



Enzyme Conjugate (RBD linked to HRPO)



Non-Neutralizing Antibodies

SIGNIFICANCE OF NEUTRALIZING ANTIBODIES:

- ★ Neutralizing Antibodies (or Late arriving IgG) are the key to address the reduction of virus capture and spread of infection. The presence of neutralizing antibodies (NAbs) is an indicator of protective immunity for most viral infections and the prevalence of these antibodies (in high titer) will determine:
 - If the individual is having a good humoral immunity
 - If the vaccination is successful.
 - How many infected individuals have remained ASYMPTOMATIC
- ★ Neutralizing antibodies are more applicable to be catered as the advanced Diagnostic and therapeutic marker to address the resurgence of COVID infections in the country.

Also Connect with us on:



ISO 9001:2015



ISO 13485:2016
ICMED 13485



For further enquiries, Please contact:

J. Mitra & Co. Pvt. Ltd.

A 180-181, Okhla Indl. Area, Phase-1, New Delhi - 110 020, INDIA

Tel: +91-11-47130300, 47130500

E-mail: jmitra@jmitra.co.in Website : www.jmitra.co.in