

# SARS-CoV-2 Neutralizing Antibody Test Kit

MEDOMICS

# Company Profile

SARS-CoV-2  
Neutralizing  
Antibody  
Test Kit

## MEDOMICS

Jiangsu Medomics Medical Technology Co., Ltd., founded in October 2017, is located at Biotech and Pharmaceutical Valley of Jiangbei New Area, Nanjing, Jiangsu Province. It is an international high-tech enterprise driven by innovation in the area of medical devices R&D, production and sales. Medomics focuses on diagnosis of microorganisms, tumors and some rare diseases, mainly engaged in the research and development, production and sales of in vitro diagnostic reagents and automatic instruments.

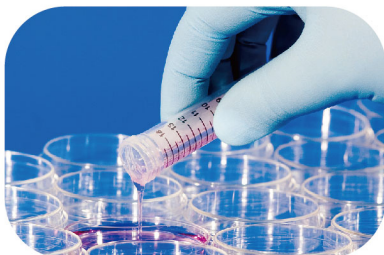
At the very beginning of COVID-19 on early 2020, Medomics developed IgM/IgG antibody detecting kit with the team of Zhong Nanshan. And Medomics published the first research paper on international journal together with State Key Laboratory of Respiratory Disease (National Clinical Research Center for Respiratory Disease, Guangzhou Institute of Respiratory Health). The detecting kit was validated by CDC, Harvard Medical School and Columbia University Irving Medical Center etc. The kit has been exported to dozens of countries and areas, making great help against SARS-CoV-2.

At present, Medomics's series product of SARS-CoV-2 detection have been developed according to ISO 13485 Quality system and European CE Certification.



# Testing methods for SARS-CoV-2 Neutralizing antibody

## SARS-CoV-2 Neutralizing Antibody Test Kit



### VNT

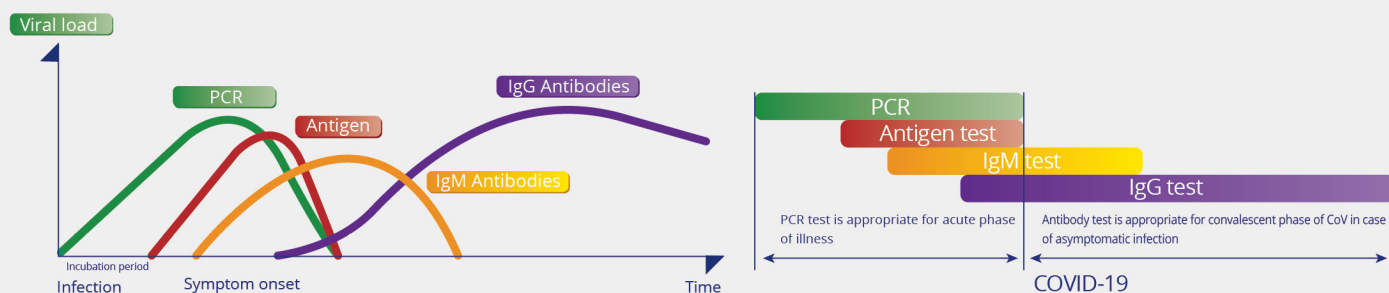
|                  |                  |
|------------------|------------------|
| Sample           | serum            |
| Time of testing  | 5 days           |
| Laboratory level | BSL-3            |
| Operation        | High requirement |



### Rapid Test

|                  |             |
|------------------|-------------|
| Sample           | blood/serum |
| Time of testing  | 15min       |
| Laboratory level | BSL-2       |
| Operation        | basic       |

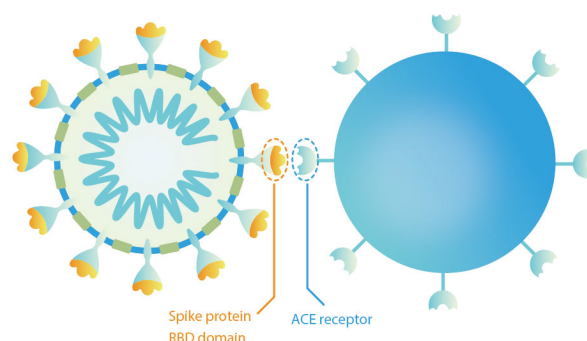
## COVID-19 Case Timeline



## How does the virus infect the cell

For the virus to invade the human cells, it needs to attach to the ACE2 receptor with the receptor binding domain (RBD) of the Spike protein.

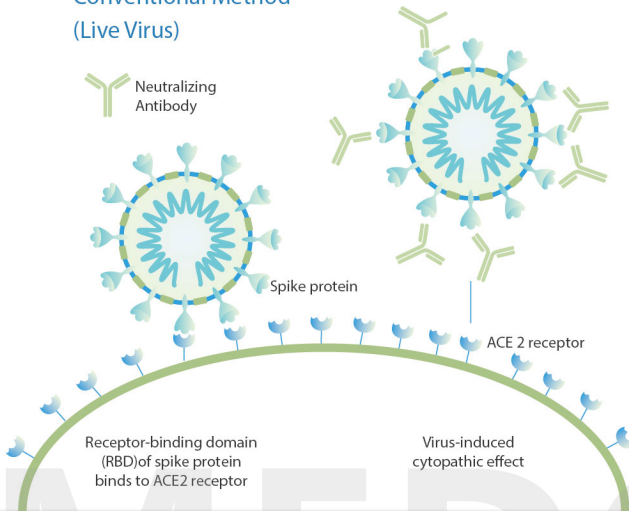
If this interaction is blocked by a Neutralizing/blocking antibody, the virus can not invade the cell.



# VNT assay

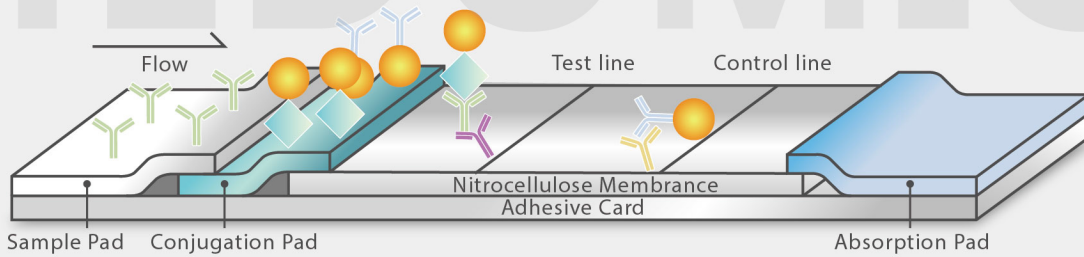
## SARS-CoV-2 Neutralizing Antibody Test Kit

### Conventional Method (Live Virus)



|                |  |
|----------------|--|
| Virus          | Requires strict safety conditions - BSL3 |
| Neutralization | Takes days to perform                    |
| Assay          | Requires high level expertise            |
|                | Expensive and not scalable               |

### New method by Medomics



### Introduction of products



**Packing size:**  
1 pc/box 、 5 pcs/box、  
20 pcs/box 、 50 pcs/box

**Specimen type:**  
blood/serum/plasma

**Storage:**  
2-30°C

**Shelf Life:**  
24 months

**Neutralization Antibody Test**

**FAST**  
Works in any laboratory setting  
Can be done at high throughput  
More consistent

# Clinical Evaluation Report And Certification

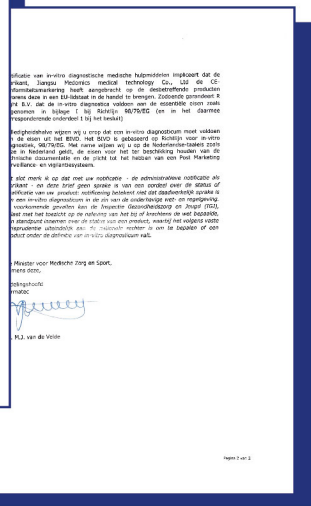
## SARS-CoV-2 Neutralizing Antibody Test Kit

### Virus Neutralization Test result

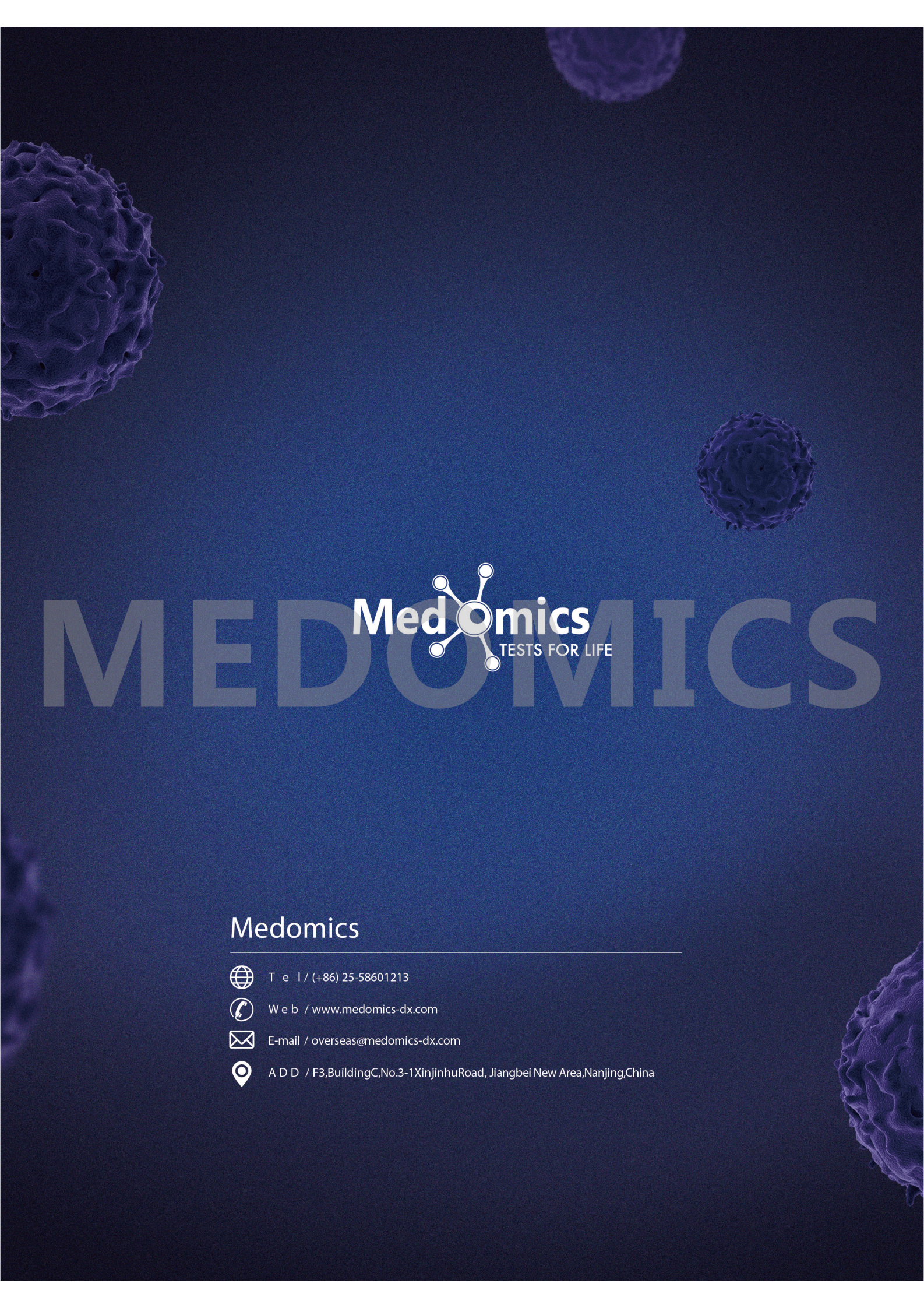
| Medomics Neutralizing antibody test result | Positive | Negative | Total |
|--|----------|----------|-------|
| Positive                                   | 133      | 1        | 134   |
| Negative                                   | 2        | 199      | 201   |
| Total                                      | 135      | 200      | 335   |

Sensitivity: 98.52% (94.75% ~ 99.82%)  
 Specificity: 99.50% (97.25% ~ 99.99%)  
 Accuracy: 99.10% (97.41% ~ 99.82%)

PPV: 99.25% (95.91% ~ 99.98%)  
 NPV: 99.00% (96.45% ~ 99.88%)



CE

The background of the entire page is a dark blue, almost black, color. It features several large, detailed, 3D-rendered spherical structures that resemble cells or viruses, with a textured, bumpy surface. These structures are scattered across the frame, with one particularly large one on the left side and another on the right side. In the center, the company logo and name are prominently displayed.

# MEDOMICS

Medomics  
TESTS FOR LIFE

## Medomics

---



T e l / (+86) 25-58601213



W e b / [www.medomics-dx.com](http://www.medomics-dx.com)



E-mail / [overseas@medomics-dx.com](mailto:overseas@medomics-dx.com)



A D D / F3,BuildingC,No.3-1XinjinhuRoad, Jiangbei New Area,Nanjing,China