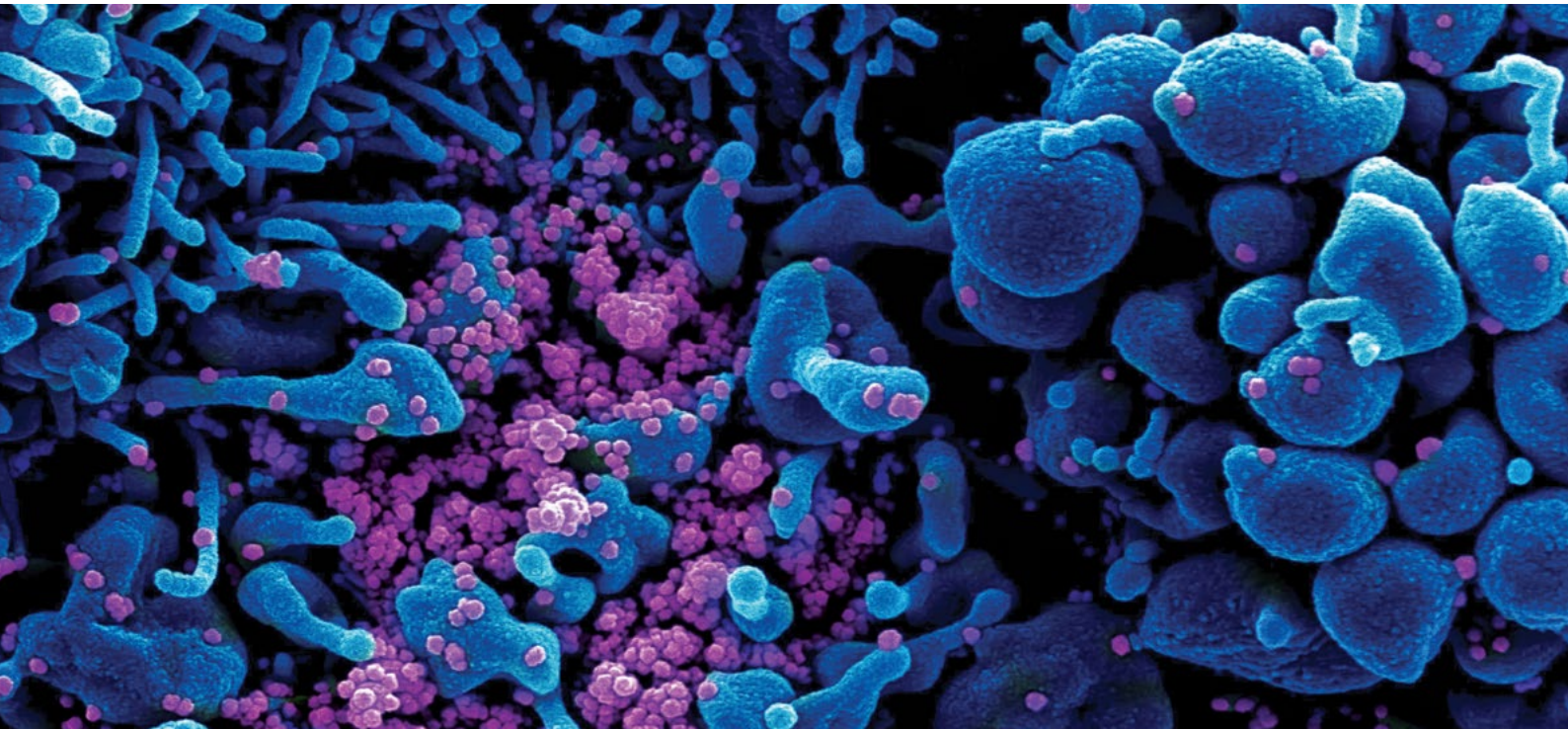


# ELISA-VIDITEST SARS-CoV-2



Apoptotic cells infected by SARS-CoV-2 virus particles, isolated from a patient sample

## VIDIA unique immunoenzymatic kits

- intended for the diagnostics of IgA, IgG and IgM antibody response after an undergone infection by SARS-CoV-2 and for monitoring of post-vaccination protective antibodies.

... the way to  
the correct  
results



**IgA**  
**ANTIBODY**  
**RESPONSE**

a proof of ongoing  
infection



**IgM**  
**ANTIBODY**  
**RESPONSE**

a proof of active ongoing  
infection



**IgG**  
**ANTIBODY**  
**RESPONSE**

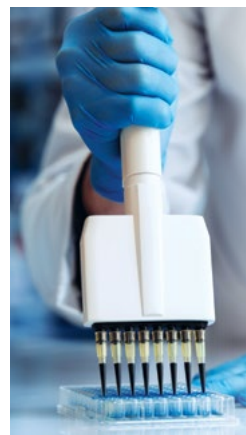
a proof of undergone or  
current infection

### Serological diagnostics

of the coronavirus disease, COVID-19, is essential for the identification of infected individuals, reducing the spreading of the virus and enabling treatment to infected persons. **Serological assays play a key role in the fight against the pandemic by defining an individual with antibodies against the SARS-CoV-2 virus and developed adaptive immune response.**

### Benefits of the kits

- Quantitative and semiquantitative evaluation of antibodies
- Quantification in international units according to WHO standard 20/136 with interpretation in BAU/ml
- Evaluation of the immune response during and after infection
- Monitoring of the antibody response after vaccination



### ELISA-VIDITEST

**Kits come from our own  
research, development  
and production.**

We are VIDIA spol. s r. o.  
Czech biotechnological  
company with a wide  
range of kits for diagnostic  
examination. We develop our  
products with high quality.

# ELISA-VIDITEST SARS-CoV-2

High-quality serological assays ELISA-VIDITEST anti-SARS-CoV-2 help to determine, whether antibodies proving an adaptive immune response to COVID-19 have developed in infected patients. ELISA-VIDITEST anti-SARS-CoV-2 kits have a guaranteed stability and high sensitivity. They include Nucleocapsid Protein (NP), Spike protein (S1), and Receptor Binding Domain (RBD) of S1 protein as primary antigens.

The new ELISA-VIDITEST anti-SARS-CoV-2 (RBD) IgG quanti kits are designated for the determination of the post-vaccination antibody response. Only IgG antibodies targeted specifically to RBD have the neutralization function and prevent binding of SARS-CoV-2 onto the cells. This is the goal of current mRNA vaccines. Regular screening of the concentration of protective and neutralizing antibodies helps to stop the spreading of the pandemics.

## DETECTION OF IgA, IgG, IgM ANTIBODIES IN SERUM



- Semiquantitative detection of IgA, IgG and IgM antibodies
- Antigens Spike protein (S1), Nucleocapsid protein (NP)
- Optional quantification of IgG anti-S1 with 4 standards
- Evaluation of the immune response during and after infection
- Monitoring of reinfection risk
- Determination of antibodies in immunocompromised persons

## DETECTION OF POSTVACCINAL IgG ANTIBODIES



- Quantitative detection of neutralizing IgG antibodies
- Antigen RBD Spike protein (S1)
- Quantification of IgG with 5 standards
- Monitoring of vaccination success rate
- Selection of plasma donors with neutralizing antibodies for immunotherapy
- Determination of protective and neutralizing antibodies in high-risk groups in population

## Benefits of the measurement

- High sensitivity and specificity of the test
- Serum/plasma sample from venous or capillary blood
- Colour-distinguished reagents in r.t.u. format
- Unified incubation times, temperatures, reagents for all ELISA-VIDITEST and MONO-VIDITEST
- Incubation 30' at 37°C/30' at 37°C/15' at room temperature
- Manual or automatic processing of the test in our VIDIMAT analyser



### VIDIMAT

We provide an exact and automatic analyser for easy solutions of the automatization of infection serology in cassette and microtiter plate format.

## Our kits



REF	Products
ODZ-469	ELISA-VIDITEST anti-SARS-CoV-2 (NP) IgA
ODZ-470	ELISA-VIDITEST anti-SARS-CoV-2 (NP) IgG
ODZ-471	ELISA-VIDITEST anti-SARS-CoV-2 (NP) IgM
ODZ-472	ELISA-VIDITEST anti-SARS-CoV-2 (S1) IgA
ODZ-473	ELISA-VIDITEST anti-SARS-CoV-2 (S1) IgG
ODZ-473/4ST	ELISA-VIDITEST anti-SARS-CoV-2 (S1) IgG
ODZ-474	ELISA-VIDITEST anti-SARS-CoV-2 (S1) IgM
ODZ-497/5ST	ELISA-VIDITEST anti-SARS-CoV-2 (RBD) IgG quanti

