

ELISA Solution as an aid in the Diagnosis of **COVID-19**

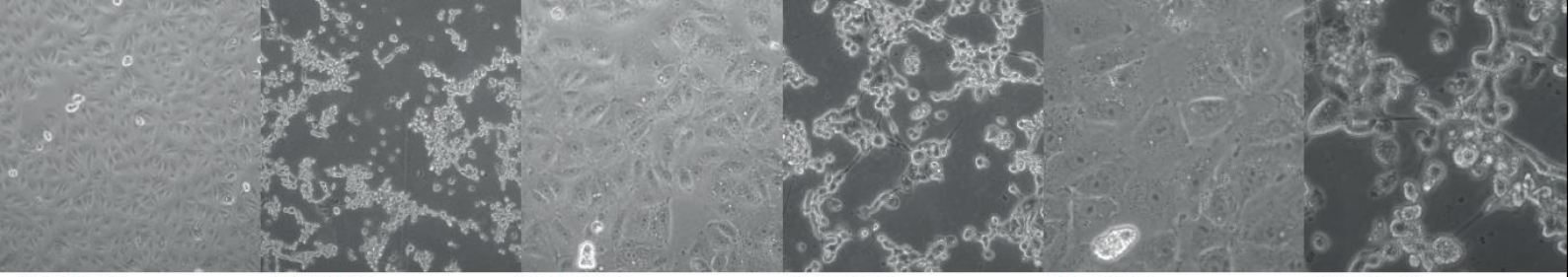
Enzyme-linked immunosorbent assays (ELISA) to detect antibodies against SARS-CoV-2, producing COVID-19, in human serum or plasma.

COVID-19 ELISA IgM+IgA COVID-19 ELISA IgG

PRODUCT FEATURES

- Suitable for all automated ELISA systems.
- SARS-CoV-2 specific antigens: spike glycoprotein (S) and nucleocapsid protein (N).
- Excellent performance in samples characterized by PCR.
- Complete solution IgG and IgM+IgA kits available.
- Common protocol allows to perform IgG and IgM+IgA simultaneously in the same run.
- Ready-to-use reagents.





SARS-CoV-2. Vircell culture collection

COVID-19 serology allows confirmation of infection in both symptomatic and asymptomatic patients. ELISA is a simple and easy to automate technique that allows high throughput tests at low cost.

IgM+IgA detection complements molecular tests when the viral load decreases or when false negatives are suspected due to unsuitable samples in patients with clear symptoms.

The combination of IgM+IgA significantly improves sensitivity since COVID-19 affects the mucous membrane. The early production of IgA antibodies in this kind of infections could be particularly high.

IgG detection allows disease monitoring when other molecular and serological markers become negative.

Excellent performance in samples characterized by PCR*

Sensitivity

COVID-19 ELISA IgM+IgA

88% in patients, 5 days after a positive PCR result (n=32)

COVID-19 ELISA IgG

85% in patients, 10-19 days after a positive PCR result (n=124)

Specificity

99% in samples from healthy pre-pandemic donors (n=669)

98% in samples from healthy pre-pandemic donors (n=286)

* Data from internal evaluations

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Ordering information and related products

Reference	Description	Kit contents
G1032	COVID-19 ELISA IgG	96 tests
MA1032	COVID-19 ELISA IgM+IgA	96 tests
VCM097	COVID-19 VIRCLIA IgG MONOTEST	24 tests
VCM098	COVID-19 VIRCLIA IgM+IgA MONOTEST	24 tests
RTPCR001	SARS-COV-2 REALTIME PCR KIT	48 tests
MBTC030-R	AMPLIRUN® TOTAL SARS-CoV-2 CONTROL (SWAB)	10 vials
MBC137-R	AMPLIRUN® SARS-CoV-2 RNA CONTROL	12,500-20,000 copies/μl

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