

Three Tests for

SARS-CoV-2 Antibody

Detection

AMP ELISA Tests for Qualitative Detection of SARS-CoV-2 Ab

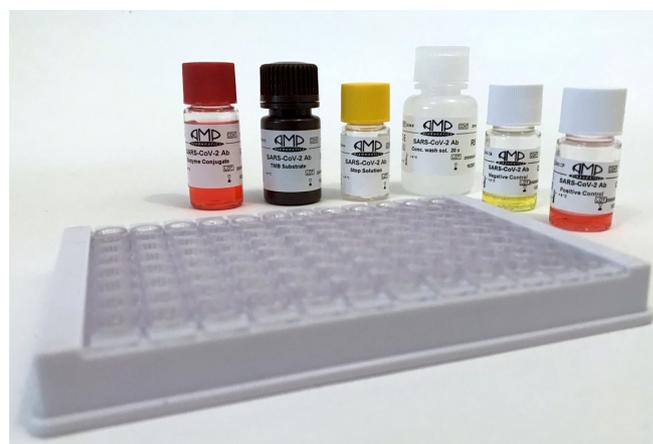
Serological tests for detection of antibodies to SARS-CoV-2 are a valuable supplement to RNA detection, as they enable to determine the seroprevalence of a population, to trace previous exposure and to identify highly reactive human donors for the generation of convalescent serum.

The SARS-CoV-2 spike protein, containing the subunits S1 and S2, is the mayor surface protein used to bind to a receptor, which acts like a doorway for the virus genome to enter a human cell.

AMP ELISA tests for detection of SARS-CoV-2 antibodies are utilizing the characteristics of SARS-CoV-2 spike protein by applying recombinant SARS-CoV-2 antigens expressed in insect cells, including N-protein, S1-RBD and S2-ECD.

The tests for detection of total antibodies resp. IgM are intended for determination of a patient's infection status, while the IgG test enables monitoring of convalescent patients.

All three of them can be processed with both semi- and fully-automated ELISA equipment.



Features and Benefits:

- Proven and reliable EIA technology
- Proteins N, S1-RBD and S2-ECD applied
- No handling of viral genetic material – simple routine sample collection (serum/plasma)
- Positive results also for low viral load samples
- Short assay time (70 minutes)
- Liquid ready-to-use reagents
- Outstanding performance and reliability

CHARACTERISTICS AND ORDER INFORMATION:

	AMP ELISA Test SARS-CoV-2 IgG	AMP ELISA Test SARS-CoV-2 IgM	AMP ELISA Test SARS-CoV-2 Ab
Catalog No.	ER2241	ER2242	ER2245
Kit content	96 tests	96 tests	96 tests
Test principle	indirect EIA	capture EIA	double antigen sandwich EIA
Sample material	serum, plasma	serum, plasma	serum, plasma
Sample volume	10 µL	10 µL	100 µL
Assay time	70 minutes	70 minutes	70 minutes
Sensitivity	95.90%	100%	100%
Specificity	98.46%	99.87%	99.52%

Illustration of SARS-CoV-2 virion – Source: Center for Disease Control and Prevention, Public Health Image Library (PHIL), ID #23312, Alissa Eckert, MS; Dan Higgins, MAM

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