

GB SARS-CoV-2 Ab ELISA

An Enzyme Immunoassay (ELISA) kit for in vitro Semi-Quantitative the detection of IgG and IgM antibodies to SARS-CoV-2 in human serum/plasma



The CE-IVD Marked GB SARS-CoV-2 Ab ELISA is a direct sandwich principle detecting SARS-CoV-2 virus N-protein antibodies (IgG and IgM). The N protein is one of the most abundant early-onset proteins of the virus, as well as being highly immunogenic and therefore a good candidate antigen for the diagnosis of COVID 19.

SPECIFICATION

Number of wells	96
Principle	Direct Sandwich
Assay format	Semi-Quantitative
Total incubation time	105 minutes
Sample type	Serum / Plasma
Sample volume	10 µL
Reading wavelength	450nm
Storage	2-8°C

FEATURES

- Ready to use reagents
- Removable strips
- Break-apart wells
- All incubation steps at room temperature
- Ready for automation
- No sample pre-dilution required

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PERFORMANCE CHARACTERISTICS

5 serum samples collected from RT-PCR confirmed COVID-19 patients were tested. 139 normal healthy patients with samples collected before COVID-19 outbreak were tested. The results are as follows:

	Test Positive	Test Negative
Confirmed Positive	5	0
Confirmed Negative	0	139

Intra-assay precision CV	< 10%	Inter-assay precision CV	< 20%
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The diagnostic sensitivity is 100% : The diagnostic specificity is 100%

COMPARISON

		Negative (n=89)			Positive (n=5)		
		Company A			Company A		
		Pos	Neg	total	Pos	Neg	total
GBC	Pos	0	0	0	4	1	5
	Neg	2	87	89	0	0	0
	total	2	87	89	4	1	5
Sensitivity	GBC	100%					
	Company A	80%					
Specificity	GBC	100%					
	Company A	97.7%					

ORDERING INFORMATION

Catalog No.	Description	Package
4ECO001	GB SARS-COV-2 Ab ELISA	96-well
4ECO002	GB SARS-COV-2 Ab ELISA	480-well

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