

COVID-19 IgM/IgG Antibody Test Kit

The pathogen of novel coronavirus pneumonia is the novel coronavirus. WHO has officially named the disease as corona virus diseases 2019 (COVID-19). Due to the increasing market demand of rapid and reliable coronavirus (COVID-19) detection solutions, Artron Laboratories inc. introduce you its COVID-19 IgM/IgG Antibody Test Kit as your one stop infectious diagnostic solution.

With Artron advanced lateral flow immunochemical device and a proprietary antibody mix, these test kits can detect all COVID-19 Antibodies in a convenient, rapid, and reliable way.

Items we provide in the package:

- Test Cassette;
- Capillary tube;
- Sample buffer;
- Instruction for use.



PRINCIPLE OF THE ASSAY:

The principle of Artron COVID-19 IgM/IgG Antibody Test is an antibody-capture immunochromatographic assay for the simultaneous detection and differentiation of IgM & IgG antibodies to COVID-19 virus in human serum, plasma, and/or whole blood samples.

CLINICAL PERFORMANCE:

Analytes commonly found in OTC, prescription and/ or abuse drugs, chemical analytes, endogenous substances, and pH did not interfere Artron COVID-19 IgM/IgG Antibody Test.

Within a clinical trial study of total 1863 samples, Artron COVID-19 IgM/IgG Antibody Test shows a sensitivity of 97.22% and 97.88% specificity.

COVID-19	Disease	
	Disease(+)	Disease(-)
Samples	686	1177
Sensitivity	97.22%	
Specificity	97.88%	

After onset (day)	Artron COVID-19 IgM/IgG Antibody Test			
	IgM		IgG	
	Negative	Positive	Negative	Positive
0-8	5	3	7	1
9-15	0	8	0	8
Positive rate (%)	IgM		IgG	
0-8	37.5		12.5	
9-15	100		100	

▲ The positive rate in 8 SARS-Cov-2 seroconverted patients.

◀ Sensitivity and Specificity of Artron COVID 19 IgG/IgM Antibody test kits with post 14 days infection.

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