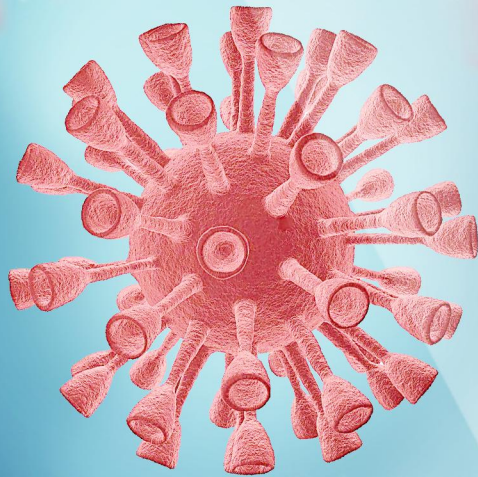


Diagnostic Kits for SARS-CoV-2 Virus (COVID-19)

- * RT-PCR
- * Antigen FIA
- * IgM ELISA
- * IgG ELISA
- * Total Ab ELISA
- * IgM/IgG Ab Rapid Test
- * Total Ab Rapid Test



COVID-19 IgG/IgM Ab Rapid Test(WB/Serum/Plasma)



COVID-19 Antigen Rapid Test Kit(FIA)



COVID-19 IgM Antibody ELISA Test Kit

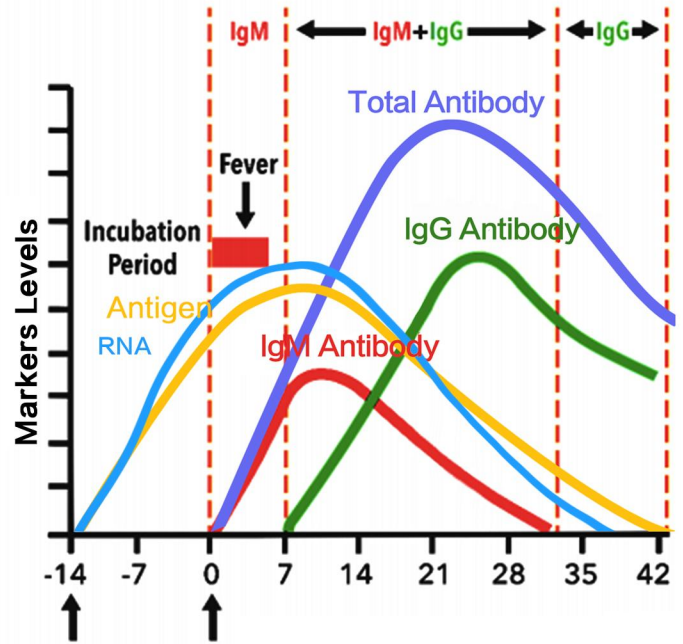


COVID-19 IgG Antibody ELISA Test Kit



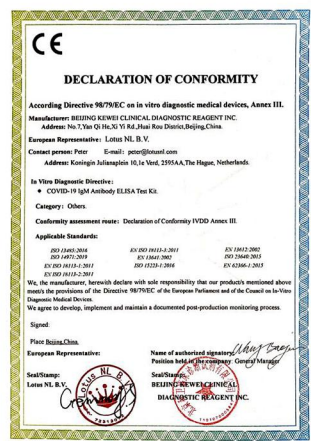
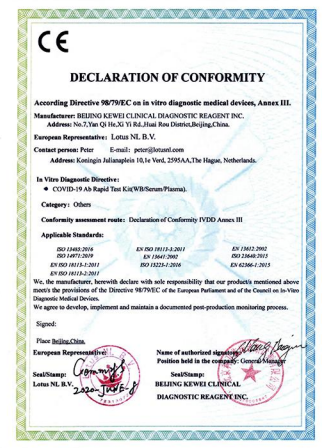
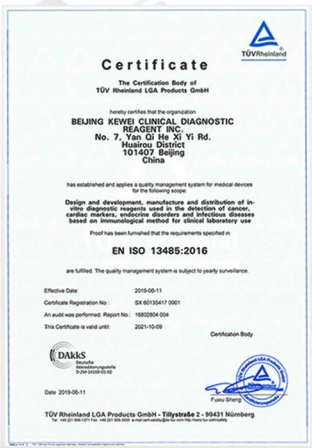
Diagnostic Process

It is widely accepted that nucleic acid and antigen are early markers which can be detected during the acute phase of infection, the RT-PCR Kit is used to confirm the diagnosis of COVID-19. Then IgM provides the first line of defence during viral infections, followed by the generation of adaptive, high affinity IgG responses for long term immunity and immunological memory. Therefore testing of COVID-19 IgM, IgG or total antibodies are effective methods for the diagnosis of COVID-19. Furthermore, detection of COVID-19 IgM antibody tends to indicate a recent exposure to SARS-CoV-2, whereas detection of COVID-19 IgG antibody indicates a later stage of infection. Thus, IgM, and IgG antibody test could provide information on the stage of infection. The total antibodies test could give high sensitive and specific results.



Markers Dynamics during COVID-19 infection

Certification





Product Parameters

Product name	RT-PCR	Antigen FIA	IgM ELISA	IgG ELISA	Total Ab ELISA	IgM/IgG Ab Rapid Test	Total Ab Rapid Test
Principle	RT-PCR	Sandwich FIA	Captured ELISA	Indirect ELISA	Sandwich ELISA	Captured GICA	Sandwich GICA
Detection Marker	Nucleic Acid	Antigen	IgM antibody	IgG antibody	Total Antibody	IgM and IgG antibody	Total Antibody
Sample Type	Nasopharyngeal/Nasal Swab	Nasopharyngeal/Nasal Swab	Serum/Plasma	Serum/Plasma	Serum/Plasma	Whole Blood/Serum/Plasma	Whole Blood/Serum/Plasma
Sample Volume	500µl	100µl	10µl	10µl	100µl	10µl	10µl
Assay Incubation	2hours	15minutes	1hour	1hour	1hour	10minutes	10minutes
Total Wash Steps	No	No	2	2	2	No	No
Instrument needed or not	Yes	Yes	Yes	Yes	Yes	No	No
Laboratory Requirement	Confirming Diagnosis	Early Diagnosis	Nucleic Acid negative sample reviewing or high-volume sample detection	Nucleic Acid negative sample reviewing or high-volume sample detection	Nucleic Acid negative sample reviewing or high-volume sample detection	Nucleic Acid negative sample reviewing or basic hospital sample detection	Nucleic Acid negative sample reviewing or basic hospital sample detection
Sensitivity	93.33% (95%CI: 87.99%-96.58%)	85.00% (95%CI:63.96%-94.76%)	90.83% (95%CI: 84.33%-94.80%)	90.83% (95%CI: 84.33%-94.80%)	94.71% (95%CI: 88.45%-97.15%)	93.33% (95%CI: 87.99%-96.58%)	93.33% (95%CI: 87.99%-96.58%)
Specificity	100.00%(95%CI: 99.24%-100.00%)	100.00% (95%CI:96.30%-100.00%)	99.60%(95%CI: 98.55%-99.89%)	99.20%(95%CI: 97.96%-99.69%)	99.60%(95%CI: 98.55%-99.89%)	98.20%(95%CI: 96.61%-99.05%)	99.60%(95%CI: 98.55%-99.89%)





Ordering Info

Code	Product Name	Format	Methodology
600092	Covid-19 IgG/IgM Antibody Rapid Test Kit	25T/Kit	Colloidal Gold
600093	Covid-19 Total Antibodies Rapid Test Kit	25T/Kit	Colloidal Gold
601310	Covid-19 RT-PCR Test kit	50T/Kit	RT-PCR
601330	Covid-19 Antigen Rapid Test Kit	25T/Kit	FIA
601340	Covid-19 IgG Antibody ELISA Test Kit	96T/Kit	ELISA
601350	Covid-19 IgM Antibody ELISA Test Kit	96T/Kit	ELISA
601370	Covid-19 Total Antibodies ELISA Test Kit	96T/Kit	ELISA



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