

Diagnostic Kit for IgG/IgM Antibody to SARS-Cov-2 (Colloidal Gold)





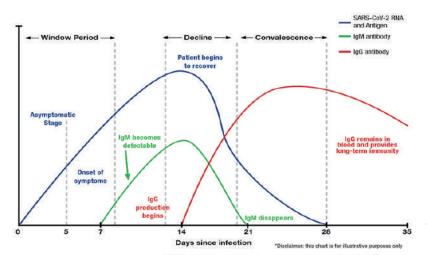


How Should We Interpret IgM/IgG Serological Test **Results?**

The present IgM/IgG serological assay is designed to complement RT-qPCR in the diagnosis of SARS-CoV-2 infections. Table 1 shows the clinical interpretation of all possible scenarios that can be encountered when testing a patient with both RT-qPCR and an IgM/IgG serological test.

Test results			Clinical Significance
RT-qPCR	lgM	lgG	
+	-		Patient may be in the window period of infection.
+	+	4	Patient may be in the early stage of infection.
+	+	+	Patients is in the active phase of infection.
+	-	+	Patient may be in the late or recurrent stage of infection.
	+	-	Patient may be in the early stage of infection. RT-qPCR result may be false-nagative.
-	5	+	Patient may have had a past infection and has recovered.
	+	+	Patient may be in the recovery stage of an infection or the RT-qPCR result may be false-negative.

The key takeaway is that the results of RT-qPCR and IgM/IgG serological tests do not necessarily need to agree. A disagreement between the two tests, if any, can often be traced to the after-infection time points at which the tests were performed. Overall, while RT-qPCR testing may be appropriate for the detection of the SARS-CoV-2 virus during the acute phase, IgM/IgG is an appropriate test during the chronic phase. Since the exact time of infection is often unknown, combining RT-qPCR and IgM/IgG testing can improve the accuracy of the COVID-19 diagnosis.



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See instructions for use

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This table is based on the current knowledge about the rise and fall of SARS-CoV-2 RNA and antigens, IgM antibody and IgG antibody (Figure 1) and the correlation of these level variations with the initial time of infection, onset of symptoms and recovery phase3-5. As shown in Figure 1, serological tests are recommended to be used on patients at least 3 days after onset of symptoms or 7-10 days after infection with the virus3-5.

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Symbols



Temperature limitation

Expiration date

Do not reuse

Attention

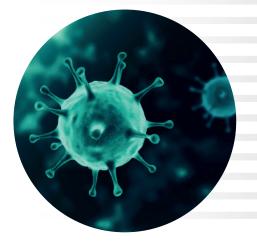
 Reference:
 1. Wenver, C. Questions About Accuracy of Coronavirus Tests Sow Wory, The Wall Street Journal. April 2nd, 2020. Retrieved from https://www.sic.arm/articles/questions-about-accuracy-of-coro-navirus-tests-sow-wory-TISSE35001

 2018, Pells, Chen B, Song Y, Zhang T, Yang W, Shaman JZ, Substantial undocumented infection facilitates the rapid dissemination of noval coronavirus. Disease: Science, 2020. Mar. 16, pii: eabb3221.

 3. Louer, S, et al., 2020. The Incubation Period of Coronavirus Disease 2019 (COVID-19) From Publicly Reported Confirmed Cases: Estimation and Application. Annals of Internal Medicine.

 4. National Health Commission of the People's Republic of China, New Coronavirus Preumonia Diagnosis and Treatment Pogram (Trial Version) 71

 5. To KK, Tsang OT, Leung WS, Tam AR, WU TC, Lung DC et al. (2020). Temporal profiles of viral load in posterior orphanyngeal salva samples and serue antibody response during infection by SARE-CoV-2: an observational cohort study. Lancet Infect Dis. 2020. Mar 23, pii: S1473-3099(20)30/Pe-1.





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