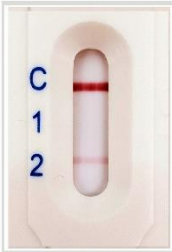

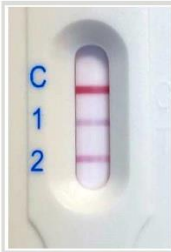

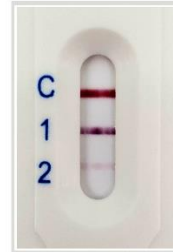

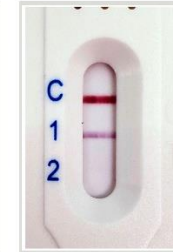


The OTO-Artron COVID-19 IgM/IgG Rapid Detection kits detect IgM and IgG antibodies against SARS-CoV-2 in patients who have had exposure to the virus. The test result for a particular individual may range from negative, IgM positive only, IgM and IgG positive, or IgG positive only, depending on how long it has been since illness onset and/or the severity of the disease.

Based on the limited publications on COVID-19 seroconversion, IgM is an early antibody produced in patients upon viral infection, followed by IgG production. Nearly all patients develop IgM and IgG antibodies against the virus within three weeks of illness onset upon viral infection (*Nature* **581**, 465–469, 2020. <https://doi.org/10.1038/s41586-020-2196-x>). During to the limited time since the pandemic, it is not certain how long antibodies against SARS-CoV-2 remain and whether the remaining antibodies have virus neutralizing activities. Recent studies suggest a correlation between the severity of the disease and how long antibodies remain in a patient (*Nature Medicine*, June, 2020. <https://doi.org/10.1038/s41591-020-0965-6>). In Orogenetics laboratory, strong antibody signals have been observed in patients who experienced typical COVID-19 symptoms three months post illness.

**COVID-19 IgM/IgG Antibody Test Result Range**

							
IgG	(-)	(+)	(+)	(+)	(+)	(+)	(+)
IgM	(+)	(+)	(+)	(+)	(+)	(+)	(-)

C: control line to monitor whether a test is valid  
 1: IgG line, red line of any intensity is (+)  
 2: IgM line, red line of any intensity is (+)