



What Nanotechnology Has to Do with 2nd Generation Rapid COVID-19 Antibody Tests

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The World Nano Foundation (WNF) has created this report to highlight everything you need to know about 2nd generation rapid COVID-19 antibody tests, and how nanotechnology can help fight the coronavirus pandemic.

For the purpose of clarity, The World Nano Foundation ([WNF](#)) has used the Rapid COVID-19 IgM/IgG Antibody Assay Kit by Colloidal Gold Method, with separate readings for IgM and IgG, as the example of a 2nd generation Rapid COVID-19 antibody test.

WNF have chosen this differentiator to highlight the important advantages of using nanoparticles as part of the testing technology. The 2nd generation development of the COVID-19 Rapid Antibody IgM/IgG test has seen the introduction of gold nanoparticles into the testing strip.

[Nanotechnology in Battle Against Coronavirus ...](#)

This Colloidal Gold Method has been introduced in other applications in the disease testing industry to improve testing accuracy.



The Chinese in their fight against COVID-19 have moved to using these improved 2nd generation testing methods. The 2nd generation test advantages are:

- Detects COVID-19 with more accuracy and more information.
- They allow you to perform tests sooner after suspected infection.
- Helps key industries and workers by providing more reliable back-to-work dates.
- Gives healthcare professionals more confidence in triaging patients, to provide the most

appropriate treatment paths.

Read the [original article](#) on World Nano Foundation.