

予防接種と抗原検査結果の関係について

NEWGENE の COVID-19 抗原検出キットではワクチン接種によって偽陽性の結果が生じることはありません。上記のステートメントを説明する 2 つの理由があります。

1. 現在使用されている mRNA ワクチン、アデノウイルスワクチン、および組換えワクチンは、新しいコロナウイルスの S 遺伝子のみを使用して、人体に防御免疫応答を生成させます。一方、NEWGENE の COVID-19 抗原検出キットは、新しいコロナウイルス N によって発現されるヌcleoカプシドを検出します。遺伝子抗原。したがって、NEWGENE の COVID-19 抗原検出キットの検査結果は、上記のワクチンの影響を受けません。

2. 不活化ワクチンを含め、現在使用されているすべてのワクチンは感染性ではありません。ワクチン成分は、筋肉内注射後数日以内に注射部位で分解され、全身に広がることはありません。したがって、ワクチン成分は、鼻腔（鼻腔スワブ、鼻咽頭スワブ）または口腔（唾液）では検出されません。

さらに、米国 CDC は、ワクチン接種が核酸検査および抗原検査の結果に影響を与えないことをガイダンスで明らかにしました。

Vaccination and SARS-CoV-2 Testing

Prior receipt of a COVID-19 vaccine will not affect the results of SARS-CoV-2 viral tests (NAAT or antigen). Because the Pfizer-BioNTech, Moderna, and Johnson & Johnson COVID-19 vaccines use the SARS-CoV-2 spike protein to generate an immune response, a positive serologic (antibody) test for spike protein IgM/IgG could indicate either previous infection or vaccination. Antibody testing is not currently recommended to assess for immunity to COVID-19 following COVID-19 vaccination or to assess the need for vaccination in an unvaccinated person. To evaluate for evidence of previous infection in an individual with history of COVID-19 vaccination, an antibody test specifically evaluating IgM/IgG to the nucleocapsid protein should be used (e.g., for public health surveillance or the diagnosis of MIS-C/MIS-A). For guidance on quarantine and testing of fully vaccinated people, please visit [Interim Public Health Recommendations for Fully Vaccinated People](#).

詳しくは以下のリンクをご覧ください

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html#VaccinationSARSTesting>

关于疫苗接种与抗原检测结果的关系

接种疫苗不会导致 NEWGENE 的 COVID-19 Antigen Detection Kit 出现假阳性结果。有以下两点原因解释上述声明：

1. 目前使用的 mRNA 疫苗、腺病毒疫苗、重组疫苗仅使用了新冠病毒的 S 基因使人体产生保护性的免疫反应，而 NEWGENE 的 COVID-19 Antigen Detection Kit 检测的是新冠病毒 N 基因表达的 Nucleocapsid 抗原。因此，NEWGENE 的 COVID-19 Antigen Detection Kit 的检测结果不会受到上述疫苗的影响。
2. 目前使用的所有疫苗，包括灭活疫苗在内，都不具备传染性。疫苗成分在肌内注射几天后就会在注射部位降解，不会扩散到全身。因此，疫苗组分不会在鼻腔（鼻拭子、鼻咽拭子）或口腔（唾液）内检出。

此外，美国 CDC 也在其指导意见中明确，接种疫苗不会影响核酸检测和抗原检测结果。

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详情请参考以下链接

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html#VaccinationSARSTesting>

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RELATIONSHIP BETWEEN VACCINATION AND ANTIGEN TEST RESULTS

The vaccination will not cause false positive results of NEWGENE's COVID-19 Antigen Detection Kit. There are two reasons to explain the above statement:

1. The currently used mRNA vaccines, adenovirus vaccines, and recombinant vaccines only use the S gene of SARS-CoV-2 to make the human body generate a protective immune response, while NEWGENE's COVID-19 Antigen Detection Kit detects nucleocapsid antigen expressed by the N gene of SARS-CoV-2. Therefore, the test results of NewGene's COVID-19 Antigen Detection Kit will not be affected by the above vaccines.

2. All vaccines currently in use, including inactivated vaccines, are not infectious. Vaccine components will be degraded at the injection site within a few days after intramuscular injection, and will not spread to the whole body. Therefore, vaccine components will not be detected in the nasal cavity (nasal swab, nasopharyngeal swab) or oral cavity (saliva).

The US CDC also made it clear in its guidance that vaccination will not affect the results of nucleic acid testing and antigen testing.

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Please refer to the following link for more details.

<https://www.cdc.gov/coronavirus/2019-ncov/hcp/testing-overview.html#VaccinationSARSTesting>

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