Product Datasheet

COVID-19 IgG/IgM Rapid Test Kit
NBP2-89106

Unit Size: 40 Tests

Store at 4°C. Do not freeze.

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NBP2-89106
COVID-19 IgG/IgM Rapid Test Kit

Product Information

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<th>Unit Size</th>
<th>40 Tests</th>
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<tbody>
<tr>
<td>Concentration</td>
<td>Concentration is not relevant for this product. Please see the protocols for proper use of this product.</td>
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Product Description

Description
COVID-19 IgG/IgM Rapid Test (Whole Blood/ Serum/Plasma) is a rapid chromatographic immunoassay for the qualitative detection of IgG and IgM antibodies against SARS-COV2 in human whole blood, serum or plasma. This test contains two test lines: an IgG line and an IgM line. During an immune response to infection, IgM antibodies appear in the early stage, followed by the emergence of IgG during the mid to late disease stages. A primary COVID-19 infection is characterized by the presence of detectable IgM antibodies 3-7 days after the onset of infection. A secondary COVID-19 infection is characterized by the elevation of COVID-19-specific IgGs. In the majority of the cases, this is also results in elevated levels of IgM.

Detection:
The biological sample is added to SARS-COV-2 antigen-coated particles in the test cassette. The mixture then migrates upward on the membrane by capillary action where, in the presence of SARS-COV2 IgM or IgG complexes, it reacts with anti-human IgM antibodies or anti-human IgG antibodies, respectively. If the sample contains IgM antibodies against COVID-19, a colored line will appear in the IgM test line. Similarly, if the sample contains IgG antibodies against COVID-19, a colored line will appear in the IgG test line.

Antigens:
Colloidal gold labeled COVID-19 Spike and Nucleocapsid recombinant proteins expressed in E. coli

Species
Human

Specificity/Sensitivity
No cross-reactivity was observed with parainfluenza virus antibody, influenza A virus antibody, influenza B virus antibody, Chlamydia pneumoniae antibody, Mycoplasma pneumoniae antibody, adenovirus antibody, respiratory syncytial virus antibody, hepatitis B surface antibody, type C Hepatitis virus antibody, Treponema pallidum antibody, human immunodeficiency virus antibody, EB virus antibody, measles virus antibody, cytomegalovirus antibody, enterovirus 71 antibody, mumps virus antibody, chicken pox-zoster virus.

Kit Components
Test cassettes, Buffer

Notes
The COVID-19 IgG/IgM Rapid Test Kit, NBP2-89106, was developed by an independent third-party, and was not manufactured by Novus Biologicals or any Bio-Techne brand. This product is for Research Use Only, not for use in diagnostic procedures.

Sensitivity
1U/mL for IgM and 0.5U/mL for IgG

Suitable Sample Type
Human Serum, Plasma, Whole Blood

Product Application Details

Applications
Imunoassay

Recommended Dilutions
Imunoassay
Images

COVID-19 IgG/IgM Rapid Test Kit [NBP2-89106] - Diagram illustrating the test procedures of the COVID-19 IgG/IgM Rapid Test Kit.

1. Sample collection and preparation.
2. Keep the kit and sample to room temperature prior to testing.
3. Add sample (200 µL serum/plasma or 40 µL whole blood) to the sample well using a micropipette.
4. Add 1 drop of buffer to the sample well.
5. Wait for the colored line(s) to appear and read the result at 10 minutes.

COVID-19 IgG/IgM Rapid Test Kit [NBP2-89106] - Diagram illustrating how to interpret the results of the COVID-19 IgG/IgM Rapid Test Kit.

IgM Positive: indicated of primary COVID-19 infection.
IgG and IgM Positive: indicated of secondary COVID-19 infection.
IgG Positive: indicated of post COVID-19 infection.
Negative: indicated of no previous infection.
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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