



NIPD Genetics RESPIRATORY PATHOGENS TEST

<http://nipd.com>

WHAT IS THE NIPD Genetics RESPIRATORY PATHOGENS TEST?

The NIPD Genetics respiratory pathogens test is a molecular, genetic test performed via **RT-PCR methodology**, that **detects and differentiates** between **22 respiratory pathogens** such as bacteria and viruses, that cause **acute respiratory infections**. Some of the tested pathogens include viruses like SARS-CoV-2 and influenza, and bacteria like legionella and mycoplasma.

WHAT IS A RESPIRATORY INFECTION?

A respiratory infection is a disease that affects the sinuses, airways and lungs. They can be caused by a **variety of pathogens**, including bacteria and viruses. They can be categorized into upper respiratory infections, affecting the sinuses and throat, and lower respiratory infections affecting the airways and lungs. Respiratory infections are transmitted through **air droplets** (coughs and sneezes) from a person who is already infected, or from contaminated surfaces. Good hygiene measures, frequent handwashing, mask-wearing, social distancing and vaccination where applicable can help reduce the spread of respiratory infections. Onset and severity of symptoms depend on the pathogen and may manifest from 3 days to a few weeks after potential exposure. Symptoms include cough, runny nose, sneeze, fever, dyspnea, chest pain and myalgia. Cases can be asymptomatic, mild, moderate or severe. **Treatment depends on the pathogen and the severity of illness**, and can include home rest, taking antivirals or antibiotics, and ventilation support for critical cases.

WHY SHOULD I GET TESTED?

Accurate, fast and reliable identification of the respiratory infection can help in:

- **Early** and efficient treatment for the specific bacteria or virus
- **Speedy recovery** of the patient
- **Timely admission** to hospital for treatment, if necessary
- **Limiting the spread** of the infection to other people
- **Containing the spread of COVID-19** and limiting the effects of the pandemic

WHO SHOULD GET TESTED?



People with symptoms of a respiratory infection



People who have been in contact with an infected person

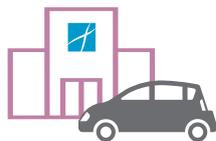


People worried about their health

HOW IS THE NIPD Genetics RESPIRATORY PATHOGENS TEST PERFORMED?



Register and complete the sample information form online or manually at one of our collection points



Drive to one of our collection points



We will collect a nasopharyngeal sample



Samples are sent for testing to our accredited laboratory



You will receive your results within 72 hours

WHAT WILL THE RESULTS TELL ME?

The test results will tell you whether you are positive or negative for any of the 22 pathogens tested. It is possible that you may be positive for more than one pathogen.

KEY FEATURES OF THE NIPD Genetics RESPIRATORY PATHOGENS TEST:

- Proven track record of consistently accurate and fast results
- Short turnaround time
- Convenient sample collection locations throughout Cyprus
- Testing performed at NIPD Genetics' state-of-the-art, CAP-accredited and CLIA certified laboratories
- Advanced technology and robotic systems that reliably process hundreds of samples per day
- Test has 97.3% sensitivity and 98.4% specificity.

WHAT PATHOGENS ARE INCLUDED IN THE NIPD Genetics RESPIRATORY PATHOGENS TEST?

The NIPD Genetics Respiratory Pathogens test detects **22 bacteria** and **viruses** (or their subtypes), including SARS-CoV-2 which causes the novel coronavirus. These respiratory infections may present with **indistinguishable clinical signs and symptoms**, so accurate testing is important for **correct identification** of the pathogen causing the infection and **proper treatment**.

PATHOGENS	CLASSIFICATION
Influenza A	Orthomyxovirus (RNA)
Influenza A, subtype H1N1/2009	Orthomyxovirus (RNA)
Influenza A subtype H1	Orthomyxovirus (RNA)
Influenza A subtype H3	Orthomyxovirus (RNA)
Influenza B	Orthomyxovirus (RNA)
Coronavirus 229E	Coronavirus (RNA)
Coronavirus HKU1	Coronavirus (RNA)
Coronavirus NL63	Coronavirus (RNA)
Coronavirus OC43	Coronavirus (RNA)
SARS-CoV-2	Coronavirus (RNA)
Parainfluenza Virus 1	Paramyxovirus (RNA)
Parainfluenza Virus 2	Paramyxovirus (RNA)
Parainfluenza Virus 3	Paramyxovirus (RNA)
Parainfluenza Virus 4	Paramyxovirus (RNA)
Respiratory Syncytial Virus A/B	Paramyxovirus (RNA)
Human Metapneumovirus A/B	Paramyxovirus (RNA)
Adenovirus	Adenovirus (DNA)
Bocavirus	Parvovirus (DNA)
Rhinovirus/Enterovirus*	Picornavirus (RNA)
Mycoplasma pneumoniae	Bacterium (DNA)
Legionella pneumophila	Bacterium (DNA)
Bordetella pertussis	Bacterium (DNA)

*Both are detected but are not differentiated.

WHAT SHOULD I DO AFTER THE NIPD GENETICS RESPIRATORY PATHOGENS TEST?

Inform your healthcare provider of your results and follow their instructions and advice for a speedy recovery and to protect your loved ones from contracting the infection.

ABOUT NIPD Genetics

NIPD Genetics is a leading, innovative biotechnology company that designs, develops and provides a broad spectrum of healthcare services through its expansive portfolio of prenatal, reproductive and oncology genetic tests, as well as its clinical laboratories. Established in Cyprus in 2010, NIPD Genetics's state-of-the-art laboratories are CAP-accredited and certified per CLIA and ISO standards. NIPD Genetics is committed to using its extensive know-how and advanced technology to safely, quickly and efficiently provide accurate and reliable results to our patients and partners throughout the world.

WHERE CAN I FIND MORE INFORMATION?

For more information about our test, please **visit www.nipd.com**.



NIPD Genetics Public Company Ltd
www.nipd.com
info@nipd.com

