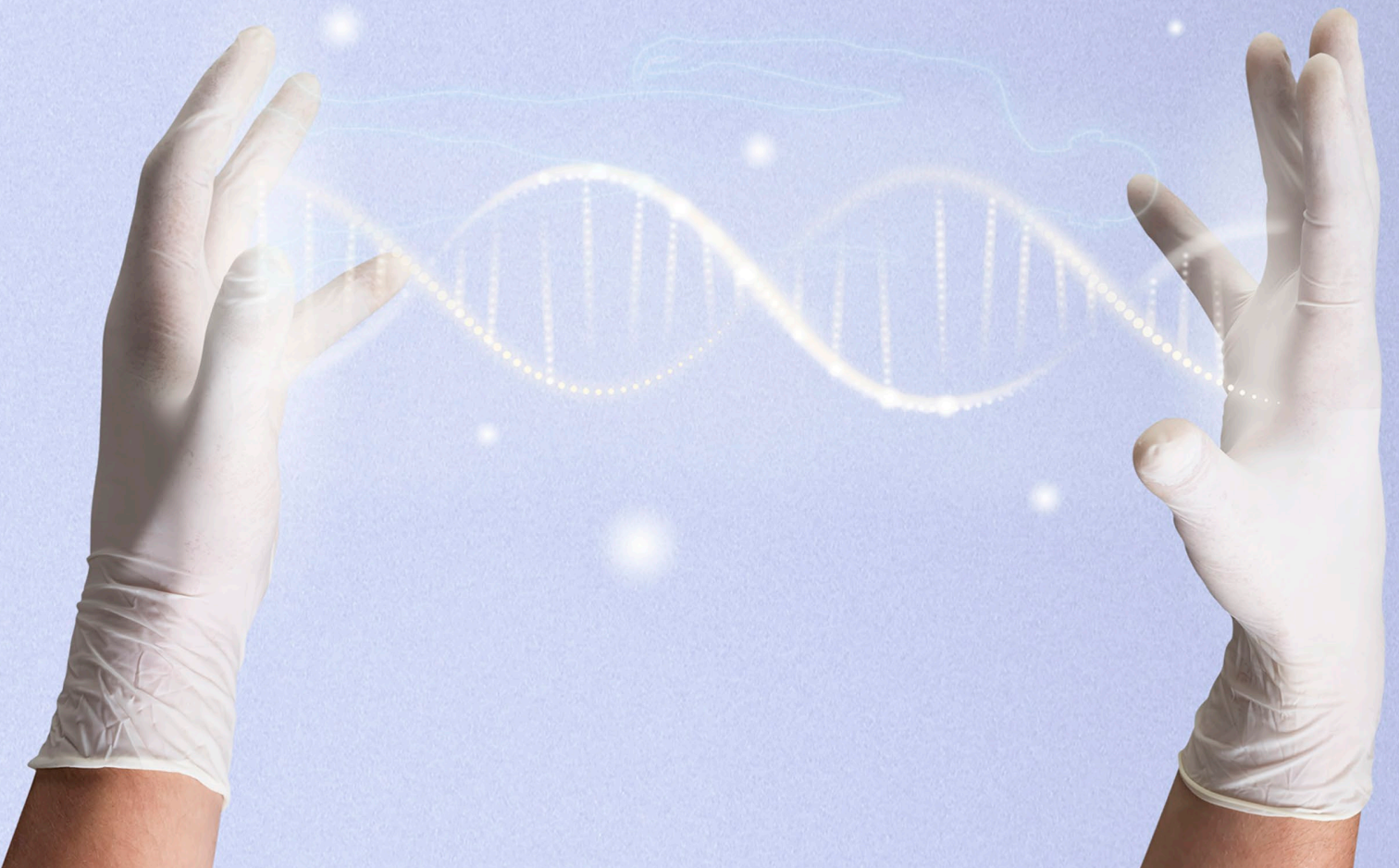


**NxBIOTECH**

**2023**

**PRODUCT  
CATALOG**

**Nx IDs qPCR  
Detection Kits**





## NxBiotech

is a biotech company based in Poland, operating in the field of genetic laboratory diagnostics and data analysis. We are an inventor and manufacturer of genetic tests. NxBiotech's research and development activities focus on increasing accuracy and reducing the time of genetic analysis. Our patented technology procedure allows for the development of any new genetic test within 4 weeks.

**NxBiotech** quality standards are certified according to ISO 13485:2016, which formalizes recognition of our competence to produce, analyze and distribute nucleic acids, in-vitro diagnostic assays (IVD's) and applications. The company participates in proficiency tests. Proficiency tests are an important part of ongoing qualification/validation.

Processes are described in Standard Operating Procedures. They are reviewed periodically. We maintain a clean and hygienic manufacturing area. The processes are clearly defined, validated and controlled. Instruments are qualified. The requalification period is defined. Instrument-related test documents are archived. Changes that affect the quality are validated if necessary. In cases where the quality cannot be covered by verification, the production process is validated. Records demonstrate that all the steps required by the defined procedures and instructions are in fact taken. Deviations are investigated and documented. Records of manufacture that enable the complete history of a batch to be traced are retained in a comprehensible and accessible form.

Audits are performed to confirm that activities within the different processes correspond to internal and external demands, as well as to investigate the efficiency and suitability of the quality management system. Internal audits verify that the Company's policy is implemented throughout the entire organisation. Supplier qualification is performed regularly.

Products that fall under the scope of European Directive 98/79/EC on In Vitro Diagnostic Device have been specified as CE IVD in the catalogue. This enables us to comply with the general requirements and safety regulations of CE. Find CE IVD logo on the inside pages as shown here:





**Infectious diseases (IDs)** are disorders caused by various microorganisms (such as bacteria, viruses, fungi or parasites) and can spread in different ways: directly or indirectly, from one person to another. The human immune system can neutralize harmful effects of pathogens, however, in some cases, infectious diseases can lead to serious complications. In response to the needs of the evolving diagnostics market, NxBiotech has developed rapid qPCR tests for accurate *in vitro* identifications of pathogens causing a number of common diseases.

The tests amplify and detect a specific nucleic acid chain sequence of infectious pathogen in samples using the qPCR or RT-qPCR method. The assay includes forward and reverse primers to amplify a specific DNA sequence, and a dye-labelled probe to recognize a unique site in the amplified sequence.

During the real-time PCR reaction, the DNA polymerase cleaves the specific dye-labelled probe at the 5' end and separates the reporter dye from the quencher dye only when the probe hybridizes to the target DNA sequence. This cleavage results in the fluorescent signal generated by the cleaved reporter dye, which is monitored in real-time by a PCR detection system. Detecting the infectious pathogen is based on detecting the signal from the dye.

6-21

**Nx IDs**

- Nx SARS-CoV-2 (single-gene)
- Nx SARS-CoV-2 (two-gene)
- Nx SARS-CoV-2 + INFLUENZA A/B
- Nx SARS-CoV-2 + INFLUENZA A/B + RSV
- Nx SARS-CoV-2 + INFLUENZA A/B + RSV  
+ S. pyogenes
- Nx Mycobacterium tuberculosis
- Nx HPV 16/18
- Nx Monkeypox virus



Nx IDs

## Nx SARS-CoV-2 (single-gene) qPCR Detection Kit



### DESCRIPTION

SARS-CoV-2 is the virus that causes a disease called COVID-19. Coronaviruses, known for 60 years, are species of viruses belonging to the subfamily Coronavirinae, depending on the type, specific to mammals and birds. They are enveloped viruses with a single strand of RNA. The best-known human coronaviruses are the aforementioned SARS, whose reservoir is people, spreads by droplet, also airborne and contact, and its mortality rate is estimated at 10%. The test targets a single gene of SARS-CoV-2 (Orf1ab) and works on all current mutated strains.

REF. NUMBER

NXURPCOV01

PATHOGENE

SARS-CoV-2 (single-gene)

KIT CONTENTS

1 × 4x MasterMix RT-qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES

CE IVD

## **DID YOU KNOW...?**

According to the latest WHO data, the number of SARS-CoV-2 cases has exceeded 662,445,150 cases, and the number of deaths has exceeded 6,704,827. Thanks to vaccination, most people who get infected have mild symptoms. However, the virus continues to mutate. Elderly people and those with comorbidities are still patients at high risk of severe illness. For this reason, many countries still require a COVID-19 test.

## **HOW THE DISEASE SPREADS?**

The virus can be spread in tiny droplets through the mouth or nose of an infected person when that person coughs, sneezes, talks, sings or breathes. These particles range in size from larger respiratory droplets to smaller aerosols. Infection by inhaling the virus can occur when you come into contact with a person suffering from COVID-19 or by touching a contaminated surface and then your eyes, nose or mouth. The virus spreads more easily indoors and in crowded places.

## **HOW THE TEST IS PERFORMED?**

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. The reaction lasts about 45 min. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Quick diagnosis will enable the implementation of treatment. Only by means of a genetic test are we able to detect the presence of the pathogen with certainty 100%. Rapid diagnosis counteracts the epidemic. PCR tests for COVID-19 are worth doing to be able to enjoy traveling again. A quick test will make it easier.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

If the test is negative and the patient is still looking for what makes him feel sick, it is worth offering him tests for other pathogens. Knowing the source of the disease will facilitate treatment.

Nx IDs

## Nx SARS-CoV-2 (two-gene) qPCR Detection Kit



### DESCRIPTION

SARS-CoV-2 is the virus that causes a disease called COVID-19. Coronaviruses, known for 60 years, are species of viruses belonging to the subfamily Coronavirinae, depending on the type, specific to mammals and birds. They are enveloped viruses with a single strand of RNA. The best-known human coronaviruses are the aforementioned SARS, whose reservoir is people, spreads by droplet, also airborne and contact, and its mortality rate is estimated at 10%. The test detects two genes of SARS-CoV-2 (ORF1ab, N) and a human gene (RNase P) as an internal control in a single reaction.

REF. NUMBER

NXURPCOV02

PATHOGENE

SARS-CoV-2 (two-gene)

KIT CONTENTS

1 × 4x MasterMix RT-qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES

CE IVD



## **DID YOU KNOW...?**

SARS-CoV-2 will likely remain prominent in human populations for some time to come. Illnesses will be seasonal. The virus has a high probability of mutating further. Vaccines will lessen the symptoms of the disease. However, they will not completely remove it. According to the latest WHO data, the number of SARS-COV-2 cases has exceeded 662,445,150 cases, and the number of deaths has exceeded 6,704,827. Elderly people and those with comorbidities are still patients at high risk of severe illness. For this reason, many countries still require a COVID-19 test.

## **HOW THE DISEASE SPREADS?**

The virus can be spread in tiny droplets through the mouth or nose of an infected person when that person coughs, sneezes, talks, sings or breathes. These particles range in size from larger respiratory droplets to smaller aerosols. Infection by inhaling the virus can occur when you come into contact with a person suffering from COVID-19 or by touching a contaminated surface and then your eyes, nose or mouth. The virus spreads more easily indoors and in crowded places.

## **HOW THE TEST IS PERFORMED?**

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. The reaction is fast. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Quick diagnosis will enable the implementation of treatment. Only by means of a genetic test are we able to detect the presence of the pathogen in 100%. Thanks to the presence of an internal control, you can be sure of a well-made swab.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

If the test is negative and the patient is still looking for what makes him feel sick, it is worth offering him tests for other pathogens. Knowing the source of the disease will facilitate treatment.

Nx IDs

## Nx SARS-CoV-2 + INFLUENZA A/B qPCR Detection Kit



### DESCRIPTION

Influenza is an acute infectious disease of the respiratory system caused by the influenza virus, occurring annually and taking the form of an acute respiratory infection. The reason for the annual, seasonal increases in the incidence of influenza in the autumn and winter are influenza viruses type A and B. Very similar symptoms are caused by the SARS-CoV-2 virus that causes a disease called COVID-19. Both viruses are transmitted by droplet transmission.

REF. NUMBER

NXURPCOV03

PATHOGENE

SARS-CoV-2 + INFLUENZA A/B

KIT CONTENTS

1 × 4x MasterMix RT-qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES

CE IVD

## **DID YOU KNOW...?**

SARS-COV-2 and INFLUENZA will likely remain for foreseeable future. Illnesses will be seasonal. The viruses will probably mutate. According to the latest WHO data, the number of SARS-COV-2 cases has exceeded 662,445,150 cases, and the number of deaths has exceeded 6,704,827. The WHO estimates that 1 billion influenza cases, 3 to 5 million severe cases, and 290,000 to 650,000 influenza-related respiratory deaths occur each year worldwide.

## **HOW THE DISEASE SPREADS?**

The viruses can be spread in tiny droplets through the mouth or nose of an infected person when that person coughs, sneezes, talks, sings or breathes. These particles range in size from larger respiratory droplets to smaller aerosols. Infection by inhaling the virus can occur when you come into contact with a person suffering from COVID-19 or INFLUENZA or by touching a contaminated surface and then your eyes, nose or mouth. The viruses spread more easily indoors and in crowded places.

## **HOW THE TEST IS PERFORMED?**

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. The reaction is fast. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Quick diagnosis will enable the implementation of treatment. Only by means of a genetic test are we able to detect the presence of the pathogen with certainty 100%. In one quick test you will check whether the patient is infected with the flu or covid virus.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

If the test is negative and the patient is still looking for what makes him feel sick, it is worth offering him tests for other pathogens. Knowing the source of the disease will facilitate treatment.

Nx IDs

## Nx SARS-CoV-2 + INFLUENZA A/B + RSV qPCR Detection Kit



### DESCRIPTION

COVID-19, INFLUENZA and RSV virus cause very similar symptoms. The peak incidence of diseases caused by these viruses occurs in autumn and winter and spring. Based on the symptoms, it is difficult to determine what the patient is suffering from. Only the PCR test allows a certain diagnosis.

REF. NUMBER

NXURPCOV04

PATHOGENE

SARS-CoV-2 + INFLUENZA A/B + RSV

KIT CONTENTS

1 × 4x MasterMix RT-qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES



## DID YOU KNOW...?

In the autumn, winter and spring, cases of respiratory diseases increase. It is difficult to assess what the patient is suffering from by analyzing only his symptoms. The flu and COVID-19 viruses that mutate every year have been joined by a very dangerous (especially for small children) RSV virus. Only with the PCR test we are able to 100% confirm the cause of the disease.

## HOW THE DISEASE SPREADS?

The viruses can be spread in tiny droplets through the mouth or nose of an infected person when that person coughs, sneezes, talks, sings or breathes. These particles range in size from larger respiratory droplets to smaller aerosols. Infection by inhaling the viruses can occur when you come into contact with a person suffering from COVID-19, INFLUENZA and RSV virus or by touching a contaminated surface and then your eyes, nose or mouth. The viruses spread more easily indoors and in crowded places.

## HOW THE TEST IS PERFORMED?

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. Ready-to-use reagents are included in the kit. The individually designed primers and probes are 100% compatible with genomic RNA sequence of SARS-CoV-2, Influenza A and B, RSV as deposited in the NCBI database and human RNase P gene. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## WHY IS IT WORTH DOING A GENETIC TEST?

Is there a way to tell these diseases apart? Based on the symptoms, it's difficult, because they are very similar - symptoms include: elevated temperature, cough, fatigue, headaches. However, there is a possibility to perform genetic tests, helpful in making the correct diagnosis. Only by determining the presence of the genetic material of a given pathogen are we able to know the cause of the disease.

## WHAT CAN BE DONE AFTER THE TEST RESULT?

Knowing the cause of the disease will make it easier for the doctor to prescribe the correct course of action. Flu, COVID-19 or RSV illness are treated differently. In the event of a negative result for all 3 pathogens, the patient may be offered another test to check for the presence of, e.g. *Streptococcus pyogenes*.

Nx IDs  
**Nx SARS-CoV-2  
 + INFLUENZA A/B + RSV  
 + S. pyogenes  
 qPCR Detection Kit**



## DESCRIPTION

The PCR test kit contains reagents to detect Influenza A/B virus, SARS-CoV-2, RSV and *Streptococcus pyogenes* bacteria. The peak incidence of diseases caused by these viruses occurs in autumn and winter and spring. Based on the symptoms, it is difficult to determine what the patient is suffering from. Only the PCR test allows a certain diagnosis.

REF. NUMBER

NXURPCOV05

PATHOGENE

SARS-CoV-2 + INFLUENZA A/B  
 + RSV + *Streptococcus pyogenes*

KIT CONTENTS

1 × 4x MasterMix RT-qPCR Probe  
 1 × Oligos Set  
 1 × Positive Control  
 1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES



## DID YOU KNOW...?

Currently, the phenomenon of increasing bacterial resistance to antibiotics is one of the most serious medical, epidemiological and even economic problems. This situation is created by the overuse of antibiotics. The unjustified use of antibiotics is largely related to viral diseases, which, for example, in acute respiratory tract infections are the cause of about 80% of infections. Only the PCR test allows a certain diagnosis.

## HOW THE DISEASE SPREADS?

The viruses can be spread in tiny droplets through the mouth or nose of an infected person when that person coughs, sneezes, talks, sings or breathes. These particles range in size from larger respiratory droplets to smaller aerosols. Infection by inhaling the viruses can occur when you come into contact with a person suffering from COVID-19, INFLUENZA and RSV virus or by touching a contaminated surface and then your eyes, nose or mouth. The viruses spread more easily indoors and in crowded places. *Streptococcus pyogenes* infection looks the same way as the listed viruses.

## HOW THE TEST IS PERFORMED?

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus and bacterium genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally. Only two analyzes are needed to determine the cause of the disease.

## WHY IS IT WORTH DOING A GENETIC TEST?

Is there a way to tell these diseases apart? Based on the symptoms, it's difficult, because they are very similar - symptoms include: elevated temperature, cough, fatigue, headaches. However, there is a possibility to perform genetic tests, helpful in making the correct diagnosis. Only by determining the presence of the genetic material of a given pathogen we are able to know the cause of the disease.

## WHAT CAN BE DONE AFTER THE TEST RESULT?

Knowing the cause of the disease will make it easier for the doctor to respond with the correct diagnosis and prescription. Flu, COVID-19, RSV illness or tonsillitis are treated differently. Only bacterial disease can be treated with antibiotics. Viral infections require the use of antiviral drugs.

Nx IDs

## Nx Mycobacterium tuberculosis qPCR Detection Kit



### DESCRIPTION

Tuberculosis (TB) is caused by a bacterium called *Mycobacterium tuberculosis*. Tuberculosis is almost always spread by air. The bacteria usually attack the lungs, but TB bacteria can attack any part of the body such as the kidney, spine, and brain. A person with TB can die if they do not get treatment.

REF. NUMBER

NXZDS01M

PATHOGENE

*Mycobacterium tuberculosis*

KIT CONTENTS

1 × 2x MasterMix qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES





## **DID YOU KNOW...?**

Tuberculosis (TB) is a disease caused by germs that are spread from person to person through the air. A person with TB can die if they do not get treatment. Symptoms of tuberculosis (TB disease) depend on where in the body the TB bacteria are growing. TB bacteria usually grow in the lungs (pulmonary TB). TB disease in the lungs may cause symptoms such as a bad cough that lasts 3 weeks or longer, pain in the chest, coughing up blood or sputum (phlegm from deep inside the lungs). Other symptoms of TB disease are, weakness or fatigue, weight loss, no appetite, chills, fever, sweating at night. Symptoms of TB disease in other parts of the body depend on the area affected.

## **HOW THE DISEASE SPREADS?**

Tuberculosis is almost always spread by air. When a patient with tuberculosis of the lungs coughs, the tubercle bacilli can escape with the cough. When other people breathe in these bacteria, you can become infected. These bacteria can get into the lungs or other parts of the body.

## **HOW THE TEST IS PERFORMED?**

Virtually 100% certainty is provided by the PCR genetic test. The use of the RT-qPCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. The reaction is fast. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Quick diagnosis will enable the implementation of treatment. Only by means of a genetic test are we able to detect the presence of the pathogen with certainty 100%. Tuberculosis is extremely dangerous. Therefore, a quick diagnosis will help limit its spread.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

If the test is negative and the patient is still looking for what makes him feel sick, it is worth offering him tests for other pathogens. Knowing the source of the disease will facilitate its treatment.

Nx IDs

## Nx HPV 16/18 qPCR Detection Kit



### DESCRIPTION

The molecular test designed for identification of the Human papillomavirus (HPV) DNA. HPV is a pathogen belonging to Papillomaviridae family. The virus is transmitted mainly through sexual contact and causes changes to the skin and mucous membranes (throat, mouth, and genitals). Oncogenic types (high-risk HPV) are particularly dangerous because in the case of long-lasting infection they can lead to the development of cervical cancer. Nearly all cervical cancer is due to HPV and two strains – HPV16 and HPV18 – account for 70% of cases.

REF. NUMBER

NXSTI01HP

PATHOGENE

HPV 16/18

KIT CONTENTS

1 × 2x MasterMix qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES



## **DID YOU KNOW...?**

HPV infection is caused by a DNA virus – Human papillomavirus from the Papillomaviridae family. The virus is transmitted mainly through sexual contact but also through sustained direct skin-to-skin contact. Occasionally it can spread from mother to her baby during pregnancy. Human papillomavirus infects epidermal and squamous epithelial cells. There are over 200 types of the virus. The types of HPV described as low-oncogenic, i.e. having a low potential to cause cancer, are types 6, 11, 40, 42, 43, 44, 54, 61, 72 and are responsible for the formation of skin and genital warts. Types 6 and 11 are responsible for the formation of condyloma. The oncogenic types are: 16, 18, 31, 33, 35, 39, 45, 51, 52, 56, 58, 59.

## **HOW SERIOUS IS HPV?**

Most people who become infected with HPV do not know they have it. Usually, the body's immune system gets rid of the disease. HPV sexually transmitted infection results in skin changes – warts, which are usually located in the genital area. The disease is dangerous especially for women because it may be associated with an increased risk of cervical cancer. Many HPV infections cause no symptoms and 90% resolve spontaneously within two years. The most serious consequence of long lasting HPV infection is development of dysplastic changes which over time lead to cervical cancer. That is why early diagnosis is of great importance.

## **HOW THE TEST IS PERFORMED?**

HPV 16/18 test is based on the molecular method, during the course of which genetic material of Human papillomavirus is detected. Genetic material analysis is fast and accurate. Thanks to the ready-to-use reagents included in the kit, the preparation of the reaction mixture is quick and does not require extensive lab work. Interpretation of the obtained results is easy thanks to the product IFU included in the kit.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Early detection of the virus especially high-risk type gives a chance to avoid development of cancer. If found early, abnormal cells can be treated before they become cancerous. It's much easier to prevent cervical cancer than to treat it once it develops.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

The test result should be consulted with a doctor who will implement the appropriate therapy. Also HPV vaccination should be considered for cervical cancer prevention. Moreover, patients infected with HPV must be aware of the risk of infection sexual partners and the possible need for appropriate periodic examinations (cytology, colposcopy).

Nx IDs

## Nx Monkeypox virus qPCR Detection Kit



### DESCRIPTION

Monkeypox is a rare viral zoonotic disease. It is caused by a pathogen of the genus orthopoxvirus – the monkeypox virus. Various animal species, not just monkeys, can be natural carriers of the monkeypox virus. Infections have also been observed in rats, squirrels, and dogs. However, in European countries, direct contact with a sick person is responsible for the spread of the virus – the pathogen is spread by droplets and secretions. The incubation time is about 12 days.

REF. NUMBER

NXSTI01MP

PATHOGENE

Monkeypox virus

KIT CONTENTS

1 × 2x MasterMix qPCR Probe  
1 × Oligos Set  
1 × Positive Control  
1 × Nuclease-Free Water

QUANTITY

100 reactions

STORAGE CONDITIONS

-25°C to -15°C

CERTIFICATES



## **DID YOU KNOW...?**

Monkeypox is caused by the monkeypox virus (MPXV) of the Orthopoxvirus genus of the Poxviridae family. It is a zoonotic disease, which means that we get it from animals, but it can also be transmitted between people. Contrary to the name, the main carriers of the virus are not monkeys, but rodents, mainly squirrels and rats. The name of the disease refers to primates because it was in monkeys in 1958 that the symptoms of the disease were first observed. The first human cases were detected 12 years later in 1970. A total of 84,560 laboratory-confirmed cases and 1,351 probable cases, including 80 deaths, have been reported to WHO.

## **WHAT ARE THE SYMPTOMS OF MONKEYPOX?**

Initial symptoms of the disease: high fever, above 38.50°C, generalized or localized lymphadenopathy (as opposed to chickenpox), headache, back pain, and significant weakness. Other symptoms, delayed in time: After 1-3 days, the patient develops a rash (in order: spots, papules, vesicles, pustules, scabs). The rash usually starts on the face and then spreads to other parts of the body. When the rash appears, the person is contagious. The rash persists for 2-4 weeks. The scars after the scabs fall off due to the rash are very deep, but they disappear in 1-4 years.

## **HOW THE TEST IS PERFORMED?**

Virtually 100% certainty is provided by the PCR genetic test. The use of the Real-Time PCR technique based on the detection of virus genetic material enables sensitive and specific identification of the pathogen. Genetic material analysis using our reagents is fast and accurate. Thanks to the IFU instructions included in the kit, it can easily interpret the results of making a mistake. The reaction lasts about 60 min, and the temperature-time profile is selected so that the laboratory can analyze several genes simultaneously using one device of equipment. Ready-to-use reagents are included in the kit. It is enough for the lab technician to add each of them in the right proportion and the reaction is ready. Quickly, easily and professionally.

## **WHY IS IT WORTH DOING A GENETIC TEST?**

Quick diagnosis will enable the implementation of treatment. Only by means of a genetic test are we able to detect the presence of the pathogen in 100%. Rapid diagnosis counteracts the epidemic.

## **WHAT CAN BE DONE AFTER THE TEST RESULT?**

Treatment is symptomatic. Sick people must be isolated, and everyone they have been in contact with must be quarantined. Monkeypox could be the cause of another epidemic.



[nxbiote.ch](http://nxbiote.ch)