

INOGene-Triple Respiratory Panel RT-qPCR Detection Kit

The **INOGene-Triple RP** allows for RT-qPCR analysis of the samples obtained by Nasopharyngeal and Oropharyngeal swabs. RNA extraction from VTM can be accomplished using any commercial extraction kit. The kit detects these three respiratory pathogens qualitatively using RT-qPCR. It is also developed as a multiplex RT-qPCR detection kit, with the following fluorophores included: FAM, CY5, HEX, and TEXAS RED, which are utilized to examine all three Respiratory pathogen viruses and one internal control. The kit comes in packages of 100 and 500 reactions and includes Reaction mix, Primer probe mix, negative control, and positive control.

Acute respiratory tract infections causes high morbidity and mortality in hospitalized patients and nearly 80% of infections are viral. The common respiratory viruses causing infections are influenza A and B viruses, respiratory syncytial virus (RSV), parainfluenza viruses (PIV), coronaviruses (CoV), and adenovirus (AdV).

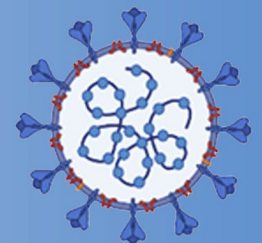


Influenza (flu) is a contagious respiratory illness caused by influenza viruses that infect the nose, throat, and lungs. Some people, such as older people, young children, and people with certain health conditions, are at higher risk of serious flu complications. There are two main types of influenza (flu) viruses: Types A and B. The influenza A and B viruses that routinely spread in people (human influenza viruses) are responsible for seasonal flu epidemics each year.



Respiratory syncytial virus, or RSV, is a common respiratory virus that usually causes mild, cold-like symptoms. Most people recover in a week or two, but RSV can be serious, especially for infants and older adults. RSV is the most common cause of bronchiolitis (inflammation of the small airways in the lung) and pneumonia (infection of the lungs) in children younger than 1 year of age in the United States.

SARS-CoV-2 is the virus named and was discovered in December 2019 in Wuhan, China which causes COVID-19 (coronavirus disease 2019). It is very contagious and has quickly spread around the world. According to WHO, there were 539.119.771 confirmed cases of COVID-19 on June 23, 2022, with 6.322.311 deaths worldwide. COVID-19 most often causes respiratory symptoms that can feel much like a cold, a flu, or pneumonia. COVID-19 may attack more than your lungs and respiratory system. Other parts of your body may also be affected by the disease.



Product	Product Size	REF No.
INOGene-RP RT-qPCR Detection Kit	100 rxns	INORP-3100
INOGene-RP RT-qPCR Detection Kit	500 rxns	INORP-3500