



Type A. Virus Inactivation (Cat. GSP1109-1)

Ardent BioMed Disposable Sputum Self-Sampling Kits

The collection of sputum for the detection of respiratory tract infections is **convenient and reliable**. Recent publications confirmed that samples collected from lower respiratory tract have a higher positive detection rate of COVID-19 infection than other methods including throat swabs.

Sputum collection can be done by **self-sampling**, which makes it an extremely attractive way of collecting samples for the large scale of screening tests such as COVID-19 and **avoiding false negative** detection due to the inappropriate collection procedures.

However, sputum usually is very thick and sticky. One of the challenges of sputum sampling is how to effectively preserve pathogens like COVID-19, a single stranded RNA virus, and/or pathogen nucleic acid from degradation during sample collection and transportation.



Description.

Type A. Contains preservatives that **inactivate pathogens** such as viruses and **protects RNA/DNA samples from degradation**; the main components include Tris buffer, nondenatured detergents, DTT and proprietary cocktails that prevent bacterial and fungal growth, as well as **inactivate RNase/DNase activities**. **No guanidinium** and other compounds that may interfere with nucleic acid extraction or PCR amplification is included. Preserved samples are stable in the room temperatures for **5 days**.

Key Features.



Easy handling: including 50-mL centrifuging collection tube with preservatives and disposal funnel.



Extensive sample testing with excellent nucleic acid extraction and PCR amplification.



Tips:

The novel coronaviruses belong to the β genus. COVID-19 is an acute respiratory infectious disease. People are generally susceptible. Currently, the patients infected by the novel coronavirus are the main source of infection; asymptomatic infected people can also be an infectious source. Based on the current epidemiological investigation, the incubation period is 1 to 14 days, mostly 3 to 7 days. The main manifestations include fever, fatigue and dry cough. Nasal congestion, runny nose, sore throat, myalgia and diarrhea are found in a few cases.

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