



Type B. Virus Protection (Cat. GSP1109-2)

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 B. Preserve pathogens intact such as COVID-19. The main components include HBSS, HEPES, DTT, and the proprietary cocktails that **stabilize the pathogen membranes, inactivate RNase/DNase activities** and bacterial and fungal growth. Preserved samples can be stored up to **two weeks**.

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.

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