

# COVID-19 Testing Solutions

Advancells Group offers a comprehensive range of universal COVID-19 testing solutions, including Viral Transport Medium Kits (VTM Kits) and Molecular Transport medium kits (MTM Kits) for the safe collection and transportation of pathological specimens. These kits are specifically designed as per standards proposed by WHO/ CDC by including ICMR/NIV validated transport medium with suitable proteins, a mix of antibiotics, and individually packed, sterile, flocked swabs for nasopharyngeal and oropharyngeal collections. The product is compatible with the collection, transportation, maintenance, and long-term storage of a range of biomolecules.

## Key Features

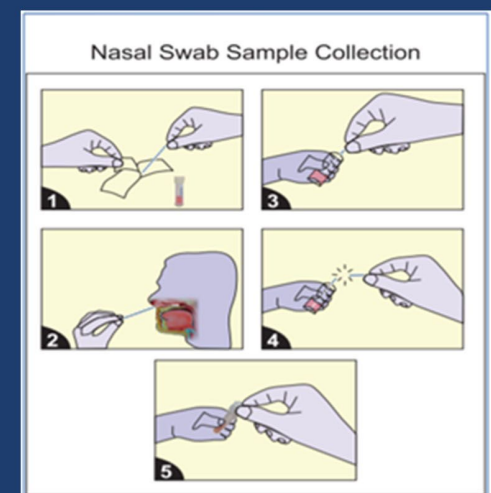
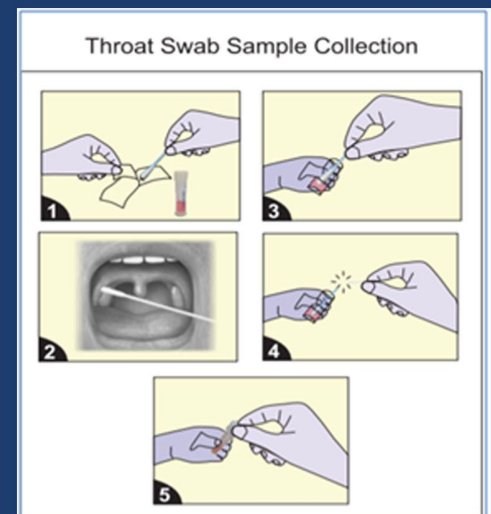
- 3ml Transport Medium in 15 ml Gamma sterilized conical base tube.
- Unique formulations to transport biomolecules, keeping their molecular integrity intact.
- Flocked Nylon swabs with breakpoints and higher surface area for better sample yield.
- Enhanced stability and nucleic acid recovery due to the presence of suitable protein complex.
- Compatible for multiple bacterial and viral biomolecule specimens (for infections such as Influenza, Chikungunya, Bird Flu, Swine Flu and COVID-19) obtained from Humans and Animals.



- Optimal chemical composition to prevent fungal as well as microbial growth.
- Each lot is investigated for gram testing, nutrients well as blood agar plating, and direct incubation.
- Third-party certification can be provided with each batch, mentioning pH, osmolality, and microbial growth.
- Stability performance tested with short term stability at 15-200c for 2-4 months and long-term stability of 1 year at 2-8°C.
- ICMR/NIV approved product prepared in ISO/GMP certified established laboratory.
- Pack Size: Individual/50Vials

## Step by Step guide to proper sample collection

1. Insert a small, soft-tipped nasopharyngeal swab into each nostril as well as an oropharyngeal swab at the back of the throat near the tonsils thoroughly.
2. Twirl it few times until it is fully covered with secretions. Note that the process can be a little uncomfortable but should not be painful at all.
3. Transfer both the swabs into a tube, one should be careful that the tube lid is opened only during the time of transfer; once swabs are collected, the tube should be tightly capped and labeled properly with detailed information of the patient.



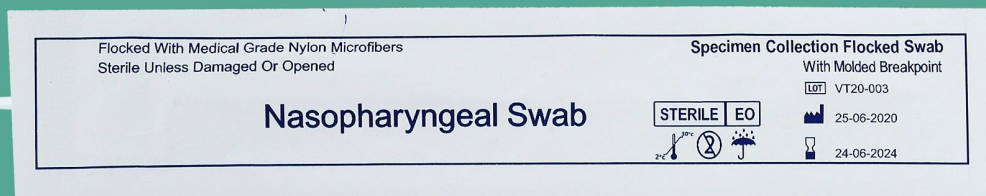
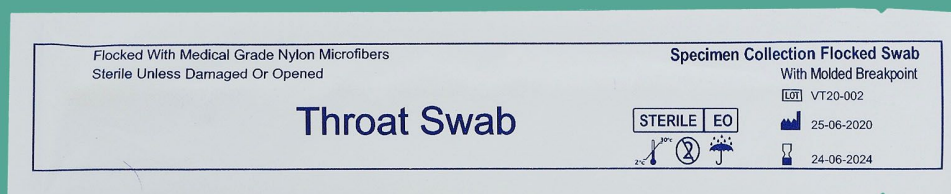


## Kit Content

Product Code	Types of Swabs	Pack Size
ADC/VTM/20-A	Sterile Nylon Flocked Individually wrapped oral and nasal with breakpoint OR	2 numbers
	Sterile Nylon Flocked Universal Swabs (2 in numbers), combined packed with breakpoint OR	1 number
	Sterile Polyester Flocked Swabs, individually wrapped oral and nasal with breakpoint	2 numbers
ADC/VTM/20-B	Gamma sterilized 15 ml conical bottom centrifuge tube with a leak-proof design	50 Tubes

## Choosing the right swab for your specimen

Nylon swabs should be marked as the advanced technical evolution of single-use, sterile, specimen collection devices. In comparison with the traditional fiber swab, nylon swab helps recover the maximum sample from the collection site and also releases a maximum of it in a viral transport medium. As per guidelines proposed by WHO/CDC the release rate of nylon flocked swab is more than 99%; much better than the conventional fiber swab.

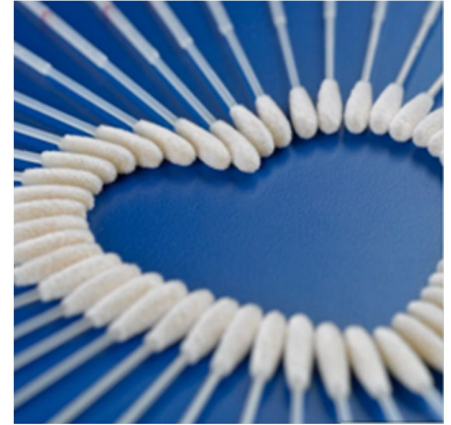


---

## A Smart Combination

Advancells™ Transport Medium, when paired with our patented flocked swabs for testing of viral/bacterial nucleic acids; offers exceptional precision and clinical outcome to laboratories.

- Increased pathogenic recovery, when used as a part of Advancells™ universal transport system.
- Makes sample collection easier and less traumatic than other options like nasal aspirates and washes.
- Quantitative, measurable, and consistent recovery of pathogenic nucleic acids; offering the potential for improved test sensitivity.



## Precautions

The Advancells™ Transport Medium is a unique universal transport system intended for the collection, transportation, preservation, and long-term storage of the clinical specimen obtained from a wide range of bacterial and viral infections. However, the optimum recovery of bacterial/viral nucleic acids to avoid false positive/negative testing depends upon the number of other parameters as well; as discussed herewith

- The sample should be collected in the acute phase of infection, for better RNA extraction.
- As prescribed earlier, the sample has to be properly collected from prescribed locations only.
- It is important to note that the tube should not be opened before the collection of the specimen to avoid nucleic acid contaminations.
- It is important to note that the viral transport system should contain an appropriate quantity of protein mix; which will help stabilize the viral capsids, even after long-term storage. Some of the manufacturers are producing transport medium even without protein mix; and hence, should be avoided.
- Do not use the system, if
  - The medium pH is changed, as evident through color.
  - The leakage is observed.
  - No frothing is observed in the tube, after gentle shaking.

