



**VIRAL TRANSPORT KIT (Single Nylon Flocked Swab)**

**TMVT 001**

**INTENDED USE**

For collection and transport of clinical specimen for recovery of viral agents.

**COMPOSITION**

	COMPONENTS	COMPOSITION
1	Viral Transport Medium*	Proprietary
2	Single Sterile Nylon Flocked Swabs	-

\*3ml in 10 ml stand tube

**PRODUCT SUMMARY AND EXPLANATION**

A Viral Transport kit is intended for the collection and transport of clinical specimens containing viruses, chlamydiae, mycoplasmas or ureaplasmas from the collection site to the testing laboratory. It is ready to use transport swab kit, designed to maintain viral viability and transport viruses in active form for isolation. The peculiar design of the flocked swab ensures optimal elution of the specimen into the transport medium.

The kit comprises of one sterile flocked specimen collection swab and a tube of Viral Transport Medium. The viral transport medium contains essential buffers and antibiotics required for maintaining the viability of the viruses during transport. The medium is also recommended by CDC and WHO for collection and transport of Coronavirus.

The Swab provided, contains short perpendicular nylon fiber strands attached to flexible molded plastic that results in efficient collection and release of particular matter. The flocked specimen yields more sample which helps to maximizes sensitivity of cell culture and molecular technique assay. Flexible plastic shaft delivers better patient comfort. The swab has a molded breakpoint which allows the swab to be broken in to the tube.

**PRINCIPLE**

The viral transport medium consists of Hanks Balanced Salt Solution modified and enriched with bovine serum albumin, amino acid, gelatin peptone and carbohydrate. The pH is adjusted with buffer. Phenol red is used as a pH indicator. Vancomycin, amphotericin B and colistin have been added to the medium to inhibit the proliferation of competing bacteria and yeasts. The medium is isotonic and lacks toxicity to the mammalian host cells.

**QUALITY CONTROL SPECIFICATIONS**

**Appearance of medium:** Orange-red colour, clear solution

**pH:** 7.3±0.2

**Sterility:** Passes release criteria.



www.tmmedia.in

## PRODUCT DATA SHEET

### COLLECTION OF SAMPLES:

Samples for research on viruses, chlamydia, mycoplasmas or ureaplasmas should be collected and handled following the reference manuals and guidelines. Probability of successful isolation is increased if the sample is processed immediately after collection. Therefore, once the collection of a sample is done it should immediately be placed in the transport bottle where it will come in contact with the transport medium. To maintain optimum viability, samples should be taken to the laboratory as soon as possible. The better recovery is obtained if samples are refrigerated at 2°C to 8°C or held with ice pack after collection and during transport. If there is going to be a long delay before they are processed, the samples should be frozen at -70°C or at a lower temperature and transported on dry ice

### Procedure:

1. Open the pouch to remove the swab.
2. Specimen can be collected with the swab in the following manner:

### For Nasal specimen

- A. A nasal specimen is used to diagnose upper respiratory tract infections, such as whooping cough. It is quick and painless test.
- B. Insert a small, soft-tipped swab into each nostril and twirl it a few times until it is covered in secretions. This may be a little uncomfortable but should not be painful.
- C. Transfer the swab into tube, label the samples and transport as specified.

### For Nasopharyngeal specimen

- A. Insert a small, soft-tipped swab into the nostrils and back to the nasopharynx.
- B. Twirl it a few times until it is covered in secretions. This may be a little uncomfortable but should not be painful.
- C. Transfer the swab into tube, label the samples and transport as specified.

### For Throat specimen

A throat specimen is a commonly tested to diagnose infections in the throat. These infections can include strep throat, pneumonia, tonsillitis, whooping cough, meningitis, etc.

- A. Ask patient to open his/her mouth. Swab the back of throat near the tonsils thoroughly.
- B. Break the swab near the break point and insert into the tube containing viral transport medium and close the cap tightly.
- C. Label the sample correctly with name of patient, time and date of collection.
- D. Transport the samples immediately to the laboratory for processing.

### TRANSPORTATION OF SAMPLE:



www.tmmedia.in

## PRODUCT DATA SHEET

To maintain optimum viability, transport the specimen to the laboratory as soon as possible. Best recovery is obtained when specimens are refrigerated at 2-8°C or kept on wet ice following collection and while in transit. If there will be long delay before processing, it is suggested that specimen should be frozen at -70°C.

### STORAGE & SHELF LIFE

The viral transport kit should be stored at 15-30°C before sample collection and 2-8°C after sample collection. Use before the expiry date.

### PRECAUTIONS

1. Isolation of viruses will largely depend on proper specimen collection, timing of sample collection and processing of samples.
2. Do not use the product if, (i) there is change in the color of the medium, (ii) there is evidence of leakage and (iii) there are other signs of deterioration.
3. Specimen collection should be done in the acute phase of illness.
4. Avoid repeated freeze-thaw of collected samples.
5. To maintain infectivity of viruses, it is important that temperature be properly maintained for sample collection to processing.
6. It is recommended to refer to standard procedures and published protocols for sample collection and processing.

### REFERENCES

1. Centre for Disease Control and Prevention (CDC), 2020. 2019 Novel Coronavirus, Wuhan, China- Guidelines for Clinical specimens.
2. World Health Organization, 2020. Interim Guidance for Laboratory testing for 2019 novel coronavirus (2019-nCoV) in suspected human cases.



Temperature Unit



Best Before



Manufacturer



QR Code



Approved

QTY.

Quantity

LOT/  
B. NO.

Lot / Batch Number

REF

Catalogue Number

IVD

For In Vitro Diagnostic Use

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**\*For professional use only.**  
Revision: 6th May, 2020