

**ACCEL BIO**

ViroTrap[®]
MTM
MOLECULAR TRANSPORT MEDIUM





ViroTrap Molecular Transport Medium (MTM) specially designed for healthcare workers for molecular testing permitting pathogenic samples to be collected, transported, and processed safely and efficiently for the molecular testing in the SARS-CoV-2 pandemic situations.

Principle:

ViroTrap Molecular Transport Medium (MTM) designed and optimise for inactivation of the infectious viruses, bacterial and fungal pathogens with preserved and stabilized the biological specimens DNA and RNA for further investigation.

The major difference in Viral transport media (VTM) and ViroTrap Molecular Transport Medium (MTM) is VTM designed to maintain the viral viability and transport the specimens in active form for isolation to get accurate pathological test results. In contrast, ViroTrap Molecular Transport Medium (MTM) is invented and optimized specifically for molecular testing by inactivating the pathogens and preserving the DNA and RNA of sample.

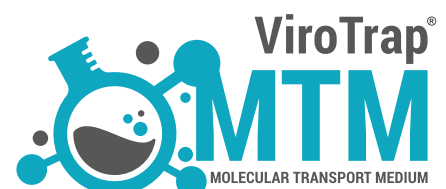
Features:

ViroTrap MTM designed to:-

- 1) Obtain high quality nucleic acids (DNA/RNA) from clinical or environmental samples.
- 2) Inactivate potentially infectious biological pathogens for safe handling and transport.
- 3) Stabilize released 'naked' DNA/RNA for prolonged periods without oxidative/hydrolysis/nuclease degradation.
- 4) Samples collected in ViroTrap MTM must be extracted using a commercially available DNA/RNA extraction method.

Storage conditions and product stability:

1. ViroTrap MTM should be transported and stored in its original container at room temperature (15-30°C) until used.
2. The expiry date is 24 months from date of manufacturing.
3. Specimens collected/stored in ViroTrap MTM are stable for up to 30 days at ambient temperature (2-4°C). For prolonged periods (>30 days), specimens collected in ViroTrap MTM should be stored refrigerated or frozen (0 to -80°C).





Kit components

1. 3 ml sterile formulation of Molecular transport medium, available in 10-15 ml plastic v-tube screw-cap vials to enable ease of use.
2. Two Sterile Nylon Swabs (Nasopharyngeal / Oral) for collection of samples
3. User manuals

Technical Specification of Product

Product Name:	ViroTrap MTM (Molecular Transport Medium)
Product quantity:	3 ml sterile formulation of Molecular Transport Medium, available in 10-15 ml plastic v-tube screw-cap vials to enable ease of use.
Shelf Life:	24 Months
Appearance:	Clear Transparent liquid
pH:	6.7±0.3
Sterility:	Sterile, No Growth per CDC SOP# DSR-052-02
RNase/Dnase activity:	No Nuclease Activity detected
Protease activity:	No Protease activity detected
Osmolality (mOSM/Kg H2O):	550
Storage condition:	15- 30°C
Ingredients :	Buffer, Inactivators, DNA/RNA protectors, chaotrophic Agents, Reducing agents
Country of Origin:	India (100% Indian origin)



Collection of samples:

A successful isolation is best viable if the sample is processed immediately after collection. Therefore, once the collection of a sample is done the swab should be immediately placed inside the transport vial where it will be dipped in the liquid transport medium.

Procedure:

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

A. For Nasopharyngeal specimen

- a. Insert a small, soft-tipped swab into the nostrils, up till straight to the nasopharynx.
- b. Twirl it a few times until it is enough covered in secretions. This may be a little uncomfortable for the patient but it is not painful.
- c. Transfer the swab into the vial containing viral transport medium and close the cap tightly.

B. For Throat specimen

- a. Ask patient to open his/her mouth. Insert the swab at the back of the throat and wipe it near the tonsils thoroughly.
 - b. Break the swab near the break point indicated on it and insert it into the vial containing viral transport medium and close the cap tightly.
3. Label the sample correctly with name of the patient, the time & date of collection
 4. Transport the samples immediately to the laboratory for processing.

Precautions

1. DO NOT insert swab into solution before collecting patient specimen.
2. Do NOT drink, touch or remove ViroTrap MTM from collection tube.
3. Do NOT transfer ViroTrap MTM into other tubes.
4. Do NOT pool ViroTrap MTM into larger volumes, or leave tubes uncapped for more than 10 minutes.



Comparative ViroTrap MTM Vs Viral Transport Medium (VTM)

	ViroTrap MTM	Generic VTM / UTM
Cold chain storage and transportation required?	No	Yes
Sample inactivated?	Yes. Inactivates the viruses, bacteria, fungi	No. Virus is still a biohazard and testing should be under controlled containment
Sample integrity	Destroys enzymes and nucleases, preserving RNA and DNA	May contain enzymes and nucleases that damage RNA and DNA
Inhibit PCR?	No	May be
Shelf life	24 months	Less than 12 months
Ingredients	Buffer, Inactivators, DNA/RNA protectors, chaotrophic Agents, Reducing agents	Buffer, Cryoprotectants, Antibiotics

Ordering Information:

Manufactured by

Mylab Discovery Solutions

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