



PRODUCT SPECIFICATION SHEET

VIRO-MASTER VIRAL TRANSPORT MEDIUM (TM006M) WITH NYLON FLOCKED-NASOPHARYNGEAL & POLYESTER-OROPHARYNGEAL SWABS, with breakable point

Intended Use

The Viro-Master Viral Transport Medium is intended to stabilize viruses and suppress microbial contamination during transport of clinical specimens from the point of collection to the testing site.

Product Summary and Explanation

The Viro-Master viral Transport Medium has been recognized as one of the best transport device for viruses, demonstrating survival of many types of virus at ambient temperatures, including Herpes Simplex Virus, Varicella-Zoster Virus, Influenza Type A (includes Novel H1N1v, H5N1, and H3N2), Influenza Type B, Respiratory syncytial virus, mumps virus, adenovirus, rhinovirus, and enteroviruses. The Viro-Master viral Transport Medium can be used with traditional cell culture techniques, and is compatible with new molecular techniques including RT-PCR. The Viro-Master viral Transport Medium is a self-contained, ready-to-use system that allows for the collection and safe transport of clinical samples from the collection site to the testing laboratory.

Principles of the Procedure

Viro-Master viral Transport Medium contains 3 ml of transport medium in a 15 ml centrifuge tube, allowing specimen collection, transport and processing in the same container. Medium contains Hank's balance salts, bovine serum albumin, amino acid, cryoprotectant, streptomycin, penicillin and nystatin, buffered with PBS. Phenol red is added as a pH indicator. A sterile Nylon flocked nasopharyngeal (CRA068) and Polyester-oropharyngeal (CRA070) swab with breakpoint, is provided for specimen collection from nasal and throat along with the transport medium. Nylon flocked swab are non-inhibitory to viruses and help release of viruses into the medium easily.

Precautions

For In-Vitro Diagnostic Use Only.

Directions

Specimen Collection:

Infectivity is one of the first properties lost by viruses. To preserve infectivity and optimize isolation, the following should be observed:

Personnel should be trained in specimen collection techniques.

Collect virus specimen at the time of greatest concentration, i.e., during acute phase.

Use standard clinical procedures for obtaining specimens.

Procedure:

Materials Provided:

1. Viro-Master viral Transport Medium with separate sterile nylon flocked nasopharyngeal and Polyester-oropharyngeal swabs w/breakpoint.

Materials Required But Not Provided: Specialized collection devices (urethral swabs, tuberculin syringe, etc.)

1. Obtain specimen using the Sterile Nylon flocked nasopharyngeal and Polyester-oropharyngeal swab.

2. Insert swab into transport medium, bend the shaft.





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3. Insert the swab completely in the tube so that the bud is completely immersed into the medium.
4. Close the tube tightly.
5. Collected sample in VTM tube placed inside zip-lock pouch, covered in absorbent pad and label the pouch (labels separately given in the box) for traceability. Virus infectivity is best preserved by transporting at 2-8°C. Transport the specimen to the laboratory immediately.
6. For PCR use the medium directly or Inoculate into tissue culture as soon as possible. However, specimens may be held at room temperature for short periods (1-2 h) or stored at 2-8°C for longer periods (24-48 h) without unduly compromising viral isolation.
7. If the specimen cannot be processed within 3 days, freeze it at -70°C; however, freezing should be avoided, if possible.
7. During processing, the swab should be handled with sterile forceps. Rotate the swab in the transport medium, then press against the inside of the tube to allow excess fluid to drain back into the transport medium.

Quality Control Specifications

Prepared Medium	Clear Light orange pink colour solution
Reaction of 7.53% solution	pH 7.3 ± 0.3 at 25°C
Osmolality in mOsm/Kg H ₂ O	500.00-600.00

Viro-Master viral Transport Medium is tested for microbial contamination, toxicity to host cell culture and the ability to maintain viability of viruses.

The medium is examined for color & clarity.

Turbidity and/or a bright yellow color could indicate contamination.

Integrity of swab pouch is checked to ensure sterility.

Quality assurance information is available upon request. Individual laboratories may evaluate the ability of Viro-Master viral Transport Medium to support viruses by inoculating Viro-Master viral Transport Medium with appropriate stock cultures. After 72 hours at 2-8°C, using appropriate isolation procedures for viruses, positive growth should be obtained

Test Procedure

Refer to appropriate references for standard test procedures.

Results

Refer to appropriate references and standard test procedures for interpretation of results.

Storage

Store at 10-30°C. The product retains potency until the expiration date shown on the label when stored properly under ideal storage conditions.

Expiration

Refer to the expiration date stamped on the label.

Limitations of the Procedure

1. Do not use Viro-Master viral Transport Medium if leakage, evaporation, color change or signs of contamination are apparent.
2. Improper storage of Micromaster VTM may lead to decreased antibacterial activity.
3. Freezing of specimens should be avoided if possible; freezing may decrease recovery of viruses.





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- 4. When performing a direct immunofluorescent test, do not freeze or vortex Viro-Master viral Transport Medium before slide preparation, as this can result in cellular disruption.

Packaging

Product Name : Viro-Master Viral Transport Medium with separately packed sterile Nylon flocked nasopharyngeal & Polyester-oropharyngeal Swabs w/breakpoint

Product Code : TM006M

Available Pack sizes : Pack of 50 tubes

References

NA

Further Information

For further information please contact your local MICROMASTER Representative.



MICROMASTER LABORATORIES PRIVATE LIMITED TM006NT PSS,QAD/FR/024,Rev.02/01.03.2020

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