PATHKITS

Product Information Sheet

MDS™ Viral Transport Medium Kit

Used for Collection and
Transportation of specimens
containing viruses such as
SARS COV2, Swine Flu, Etc.



With 1 - 3 ml Viral Transport Medium in a 10 mL or 15 mL tube and 2 sterile Non-Cotton Synthetic swabs with breakpoint recommended for collection and transport of viruses.

Product Description:

MDS™ Viral Transport medium is a specially formulated medium for collection and transport of viruses. It is designed to maintain the optimum viability and virulence of the viral sample.

MDS[™] Viral Transport Medium is made of Hanks' Balanced Salt Solution (HBSS) and contains protective protein antibiotics to control microbial contamination and buffers to control the pH.

The sterile non-cotton synthetic swabs on a plastic shaft with a break point can be used for collecting nasal and throat samples.

Precautions:

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

Composition:

Proprietary - with our without pH indicator

Quality Control:

Appearance

Clear Medium (Orange-Pink to Pink-Orange)

pH at 25°C

 7.4 ± 0.2

Osmolality in mOsm/Kg H₂O

500 - 600

Sterility

No bacterial or fungal growth was observed after 14 days of incubation.

Storage and Shelf Life:

MDS[™] Viral Transport medium should be stored at 02-30°C. Use before expiry date given on the product label.

Shelf life of the product is 15 months.

Packaging:

50/100 pcs per box.

Instruction for use:

- 1. Open the zip lock pack and take out the swab. Get sampling with swab from right body parts.
- 2. Place the swab into virus specimen tube all the way to the bottom of the tube.
- 3. Cut the plastic shaft to fit swab in the tube.
- 4. Tighten the cap, shake it several times and complete the sampling.

Transport:

After collection, the specimen should be transported to the laboratory within 72 hours with recommended storage temperature of 2-8 degree Celsius. If the delivery and processing exceed 72 hours, specimens should be transported in dry ice and once in laboratory frozen at -70 degree Celsius or colder. The specimens should avoid repeated freezing and thawing.

Accreditations









Kit Options:

VTM Kit is available in more than one option, depending on the choice of swabs you make.

Kit content: Product Code: MDS002

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature
Sterile Polyester Swab with breakpoint	2	Room Temperature

Kit content: Product Code: MDS002 (A)

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Nasal sampling	1	Room Temperature

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Oral sampling	1	Room Temperature

Kit content: Product Code: MDS002 (D)

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature

Kit content: Product Code: MDS002 (E)

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Nasal sampling	1	Room Temperature
Sterile Nylon Swab with breakpoint for Oral sampling	1	Room Temperature

Kit content: Product Code: MDS002 (H)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Oral sampling	1	Room Temperature

Kit content: Product Code: MDS002 (I)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature
Sterile Polyester Swab with breakpoint for Nasal or Oral sampling	1	Room Temperature

Kit content: Product Code: MDS002 (B) Kit content: Product Code: MDS002 (C)

Description	Qty.	Storage
MDS™ Viral Transport Medium	3 ml	Room Temperature
Sterile Polyester Swab with breakpoint for Nasal or Oral sampling	1	Room Temperature

Kit content: Product Code: MDS002 (F)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature
Sterile Polyester Swab with breakpoint	2	Room Temperature

Kit content: Product Code: MDS002 (G)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Nasal sampling	1	Room Temperature

Kit content: Product Code: MDS002 (J)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature

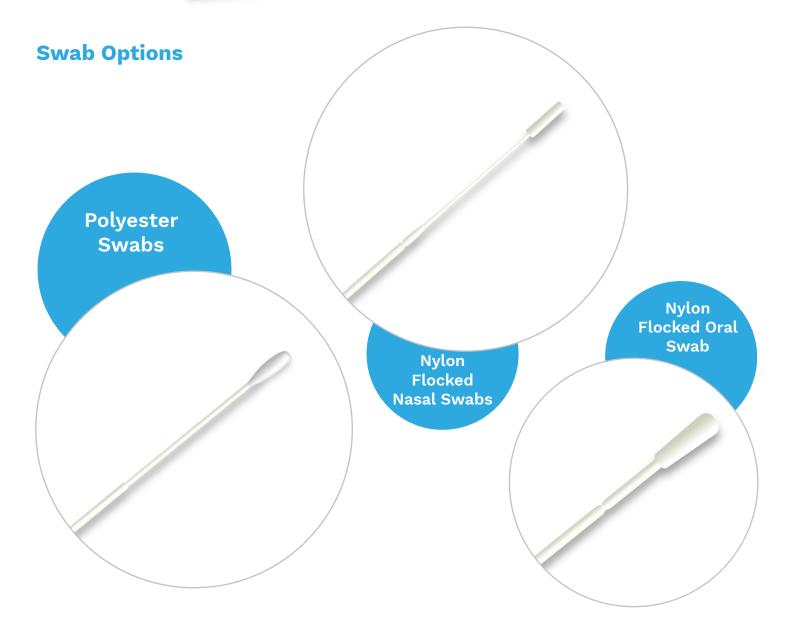
Kit content: Product Code: MDS002 (K)

Description	Qty.	Storage
MDS™ Viral Transport Medium	2 ml	Room Temperature
Sterile Nylon Swab with breakpoint for Nasal sampling	1	Room Temperature
Sterile Nylon Swab with breakpoint for Oral sampling	1	Room Temperature

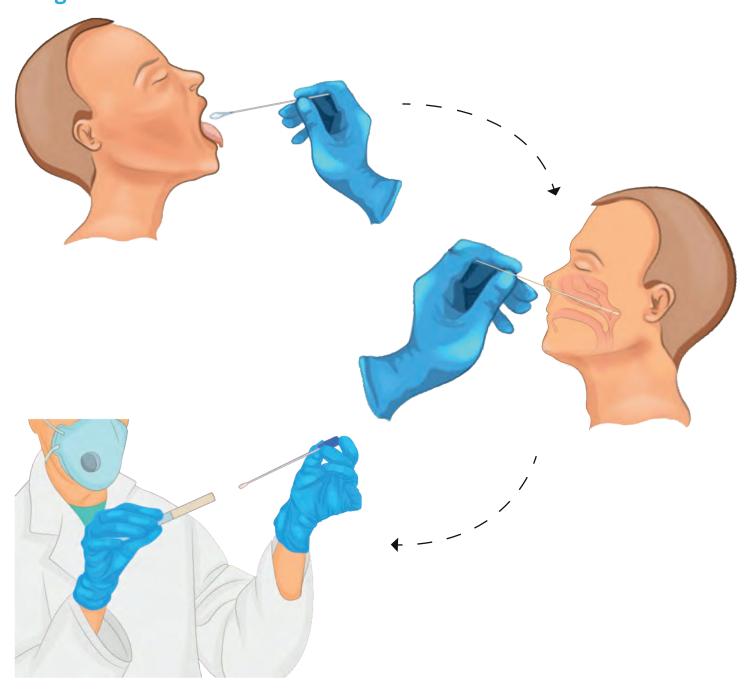
Product Pictures







Usage



Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this kit insert. The information contained in this kit insert is based on our research and development work and is to the best of our knowledge true and accurate. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.



Product Code: MDS002 Shell Life: 12 Months Kit Contents (100 pc box)

Description	Quantity
MDS Viral Transport Medium (~3 mL)	100
Patient Labelling Stickers	100
Sterile Oropharyngeal Swab	100
Sterile Nasopharyngeal Swab	100

With 3 ml Viral Transport Medium in a 10 - 15 mL tube and 2 sterile Non-Cotton Synthetic swabs with breakpoint recommended for collection and transport of viruses such as SARS-COV2, Swine Flu etc.

Product Description

MDS Viral Transport medium is a specially formulated medium for collection and transport of viruses. It is designed to maintain the optimum viability and virulence of the viral sample.

MDS Viral Transport Medium is made of Hanks' Balanced Salt Solution (HBSS) and contains protective protein antibiotics to control microbial contamination and buffers to control the pH.

The sterile synthetic swabs on a plastic shaft with a breakpoint can be used for collecting nasal and throat samples.

Material of Construction: Medical Grade Plastic, Chemical Reagents

Quality Control:

Appearance

Transparent Media & Color range between Orange-Pink to Pink-Orange

pH at 25°C

 7.3 ± 0.3

Osmolality in mOsm/Kg H2O

500mOsm - 600mOsm

Sterility

No bacterial or fungal growth was observed after 14 days of incubation.

Precautions

- Isolation of viruses will largely depend on proper specimen collection, timing of sample collection and processing of samples.
- 2. Specimen collection should be done in the acute phase of illness.
- 3. Do not use the product if,

VTM Kit Insert (2.0)

- 4. There is change in the opacity of the medium,
- 5. There is evidence of leakage and
- 6. There are other signs of deterioration.

MDS Viral Transport Media Kit

- To maintain infectivity of viruses, it is important that temperature be properly maintained for sample collection to processing.
- 8. Avoid repeated freeze-thaw of collected samples.
- It is recommended to refer to standard procedures and published protocols for sample collection and processing.

Shipping and storage

- MDS Viral Transport medium should be stored at 15-30°C
- Use before expiry date given on the product label.
- MDS Viral Transport medium is shipped at Room Temperature

Packaging: 100 pcs Per Box

Instruction for use:

- Open the sterile swab pack and take out the swab. Get sampling with a swab from the right body parts such as the oral and nasal cavity.
- Place the swab into the virus specimen tube all the way to the bottom of the tube
- 3. Break the plastic shaft to fit a swab in the tube.
- 4. Tighten the cap, shake it several times and complete the sampling.
- 5. Optional Step: Apply parafilm to the cap to ensure it is tightly capped and no leakage happens during transportation.





Transport of samples:

After collection, the specimen should be transported to the laboratory within 72 hours with recommended storage temperature of 2-8 degree Celsius. If the delivery and processing exceed 72 hours, specimens should be transported in dry ice and once in the laboratory frozen at -70 degree Celsius or colder. The specimens should avoid repeated freezing and thawing.

NOTE: Apply Parafilm on the cap, to avoid leaking during transport after collecting the specimen.



आई सी एम आर - राष्ट्रीय विषाणु विज्ञान संस्थान

भारतीय आयुर्विज्ञान अनुसंधान परिषद

स्वास्थ्य अनुसंधान विभाग स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

ICMR-NATIONAL INSTITUTE OF VIROLOGY

Indian Council of Medical Research

Department of Health Research
Ministry of Health & Family Welfare, Govt. of India

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No: Inf/Covid-19/Evaluation/2020-56

4th May 2020

Ms. Metadesign solutions

Subject: Performance Evaluation Report for MDS viral transport medium, sterile thick polyester swabs (thick for throat and thin for nasopharyngeal swabs) (Lot No. MDS/04/01)

Sir

We have evaluated the MDS viral transport medium, sterile thick polyester swabs (thick for throat and thin for nasopharyngeal swabs) (Lot No. MDS/04/01) from Meta Design Solutions. The final report is attached for your information.

Yours sincerely

Prof. Priya Abraham

Director

Evaluation report for VTM and swabs

Objective: To evaluate the performance of VTM and nasal/throat swabs

Company Name: Meta Design solutions

VTM and Swab material: MDS viral transport medium, sterile thick polyester swabs (thick for throat and thin for nasopharyngeal swabs) (Lot No. MDS/04/01)

Methodology: Throat and nasal swabs were collected from twenty healthy individuals and swabs were transferred in to VTM tubes. All tubes were kept at 4°C for 12 hrs. RNA was extracted and tested for human RNaseP gene (internal control) using ICMR-NIV assay.

Results:

1) Amplification of internal control was noted in all the samples

The swabbed individuals did not report any discomfort during the swabbing process.

Conclusion:

The MDS Viral Transport Medium kit with throat swabs (Lot No. MDS/04/01) from MetaDesign solutions was considered as satisfactory since amplification of internal control was noted in all samples.

For kit evaluation team

Director

ICMR-NIV

Dr. K. S. Lole Kelcle
Dr. K. Alagarasu Stron
Dr. V. A. Potdar Horlan