



iNSTAXPORT VIRAL TRANSPORT MEDIUM

Product: 3 ml Viral Transport Medium in a tube.

Product Code: STRUVTM01

Introduction:

iNSTAXPORT Viral Transport Kit is a specially designed transport system for collection, transport, maintenance and long-term freeze storage of clinical specimens containing viruses in active form, including COVID-19. It is designed to maintain the viability and the virulence of the viral sample. iNSTAXPORT Viral Transport Medium is made of Hanks Balanced Salt Solution and contains a protective protein, antibiotics to control microbial and fungal contamination and buffers to control the pH. Phenol red is used as a pH indicator. The medium also contains a cryoprotectant which helps in preserving the viruses if specimens are frozen for prolonged storage.

Kit Contents (standard):

DESCRIPTION	QUANTITY	STORAGE
VTM Tubes (3ml)	50 No's	2°C-28°C
Instructions for use	1 No's	2°C-45°C

Procedure:

A. Collection of Samples

For a complete diagnostic analysis of viral diseases, it is important that the infectivity of the viruses is preserved after sample collection. The infectivity of viruses decreases over time and the decay rate is generally a function of temperature. Stability of samples is enhanced by cooling therefore samples should be kept at 2°C-8°C. The probability of a successful isolation is more, if the samples are processed immediately after collection and the viral load in the sample is more. Viral load is maximum if the samples are collected immediately after the onset of clinical symptoms and before the administration of antiviral medications.

B. Directions:

1. Specimen can be collected with the following compatible swabs (not included in the content):- Nasal swab, Nasopharyngeal swab and Throat swab.
2. Collect the samples as per standard recommended procedure, insert the swab into the tube containing viral transport medium and close the cap tightly.
3. Label the sample correctly with the name of the patient, time and date of collection.
4. Transport the samples immediately to the laboratory for processing, maintaining the conditions explained in the next paragraph.



Transportation of the Samples:

Samples should be transported to the laboratory as soon as possible. Samples can be refrigerated at 2°C-8°C after collection or can be transported at 2°C-8°C on wet ice within 48 hours. If a long delay is expected in transit and processing, samples should be transported on dry ice and should be frozen at -70°C.

Safety and Precautions:

- ❖ Personal protective equipment like Apron, Hand Gloves, Masks and Face Shield need to be used, and all biosafety precautions should be followed so as to protect individuals and the environment.
- ❖ Isolation of viruses will largely depend on proper specimen collection, timing of sample collection and processing of samples.
- ❖ Specimen collection should be done in the acute phase of illness.
- ❖ Do not use the product if (1) there is change in the color of the medium,(2) there is evidence of leakage,(3) there are other signs of deterioration.
- ❖ To maintain infectivity of viruses it is important that temperature be properly maintained from sample collection to processing.
Avoid repeated freeze-thaw of collected samples.
- ❖ It is recommended to refer to standard procedures and published protocols for sample collection and processing.

Quality control:

Appearance: Orange coloured clear solution.

pH at 28°C: 7.2 ± 0.3

Sterility: No bacterial or fungal growth is observed after 3 days of incubation.

Storage and shelf life: Store at 2°C-28°C.

Use before expiry date given on the product label.

EC REP

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