

PRODUCT INFORMATION

Virus Transport Kit for Collection & Transport of Clinical Specimens containing Viruses

With 3 mL Viral Transport Medium in a 15 mL conical tube and one sterile flocked swab suitable for virus sampling (Individual Packed)

Product Code: BM-VTK

Introduction:

Virus Sample Collection and Transport Kit is a specially designed transport system to collect and transport viruses in an active form to the laboratory for isolation/identification. It is designed to maintain the viability and the virulence of the viral sample.

It is made of Eagle Minimum Essential Medium (E-MEM) supplemented with 5% fetal calf serum (heat inactivated sterile filter as protective protein as cryoprotectant). It has antimicrobial agents are incorporated to minimize commensal bacterial and fungal contamination. The medium is isotonic and non-toxic to host cells and buffers to control the pH. Phenol red is used as a pH indicator.

The flocked nasopharyngeal swab suitable for virus sampling has a short perpendicular ultra-flexible shaft that is designed for better patient comfort. This shaft is attached with soft swab that results in efficient collection and release of particulate matter. It yields significantly more sample which helps in maximizing the sensitivity of serological and molecular detection assays.

Kit Contents:

Code	Description	Quantity
BM-VTK	Virus Medium	50
	Sterile Flocked suitable for virus sampling	50

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 2-8°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. Cut open the pouch to remove the swab.
2. Specimen can be collected with the swab in the following manner.

Nasopharyngeal swab.

Insert dry swab in to the nasopharynx. Leave in place for a few seconds. Slowly withdraw the swab with a rotating motion.

Throat Swab

Ask patient to open his/her mouth. Swab the back of the throat near the tonsils thoroughly.

1. Cut and insert swab into the tube containing viral transport medium and close the cap tightly.
2. Label the sample correctly with the name of the patient and time and date of collection.
3. Transport the samples immediately to the laboratory for processing

Transportation of the Samples:

Samples should be transported to the laboratory as soon as possible.

Samples can be refrigerated at 2-8°C after collection or can be transported at 2-8°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.

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 (1) there is change in the color of the medium, (2) there is evidence of leakage, (3) 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.

Quality control:

Appearance

Orange to Red coloured clear solution

pH at 25 °C

7.3 ± 0.5

Osmolality in mOsm/Kg H₂O

500.00 - 600.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation as per specification.

Storage and shelf life:

Store at 2 to 30°C. (Do Not Freeze or Incubate, Keep the reagent away from direct sunlight)

Use before expiry date given on the product label.