

ENbio

Avienbio® Viral Transport Pack









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Intended Use

The "**Avienbio**® Viral Transport Pack containing vials of medium for collecting and transporting viruses from clinical specimens and two sterile nylon-tipped swab for nasal and throat sample collection.

Explanation about the Product

Explanation of the Product

The **Avienbio**[®] Viral Transport Pack is designed as a convenient collection and transport system. It contains specially designed medium with stabilised pH formulation, which has been tested for preservation of virus infectivity, and sterile swabs for general specimen collection. It is designed to maintain the optimum viability and virulence of the viral sample. The tubes have the threaded caps for ease of collection and screw-tight capping of the vials.

Usage areas, warnings and limitations

Avienbio[®] Viral Transport Pack contains **Viral Transport Medium :** It contains 3 mL Hanks balanced salt solution containing Amphotericin B (15µg/ml) and gentamicin sulfate (100µg/ml). It also contains cryoprotectants for long term storage of the viral inoculation in the medium.

Swabs: Included are of two types each Sterile, nylon-tipped with plastic break-point shaft.

Guidelines and Precautions for Handling

Warnings and precautions

As with any product usage, good laboratory practice is essential to the proper performance of any material.

Precautions: For in vitro Diagnostic Use.

Do not moisten swab in transport medium prior to collection, to avoid patient antibiotic allergies variable from case-to-case.

Storage: Store Viral Transport Pack below 30°C.



- All human-sourced materials should be considered potentially infectious and should be handled with universal precautions. If spillage occurs, immediately disinfect with a freshly prepared solution of 0.5% sodium hypochlorite in distilled or deionized water (dilute household bleach 1:10) or follow appropriate site procedures.
- The use of sterile disposable pipettes and nuclease-free pipette tips is recommended.
- Dispose of all materials that have come in contact with samples and Transport medium and Swabs in accordance with country, state, and local regulations.

Good laboratory practice

- Do not pipette by mouth.
- Do not eat, drink, or smoke in designated work areas.
- Wear laboratory gloves, laboratory coats, and eye protection when handling samples and reagents. Avoid contaminating gloves when handling samples.
- Wash hands thoroughly after handling samples and kit reagents, and after removing the gloves.
- Thoroughly clean and disinfect all laboratory work surfaces with a freshly prepared solution of 0.5% sodium hypochlorite in distilled or deionized water (dilute household bleach 1:10). Follow by wiping the surface with 70% ethanol.
- If spills occur properly clean and decontaminate the surface.

Sample collection, transport, and storage

Note: Handle all samples as if they are capable of transmitting infectious agents.

 Samples collection, transport and storage of samples must be done by the trained personnel using standard clinical procedures.



- Collect specimen using the nylon-tipped swab. Insert swab into transport medium and break off shaft at the mark provided. Ensure fingers do not contaminate the inside of the vial and sample does not splash.
- Close the tube, label and transport the specimen to the laboratory. Virus infectivity is best preserved by transporting at 2 – 6°C.
- Virus samples must be collected during acute phase.
- After collection, the specimen should be stored at 2-25 °C and processed within 48 hours. If delivery and processing exceed 48 hours, specimens should be transported in dry ice and once in laboratory frozen at -70 °C or colder.





Quality Check

- Examine the transport medium for color and clarity. The medium should be a clear liquid. Turbidity indicates contamination.
- The swab pouch must be intact to ensure sterility. If damaged or open do not use.
- **Avienbio** [®] Viral Transport Pack have been proven effective in preserving virus infectivity at different temperatures and for different storage times.

Product Availability

Avienbio[®] Viral Transport Pack, 50 packs where each vial contains: Viral Transport Medium, 3 mL and 2 nylon -Tipped Swabs each for throat and nasal specimen collection

References

- Chua KB, Koh CL, Hooi PS, Wee KF, Khong JH, Chua BH, Chan YP, Lim ME, Lam SK. Isolation of Nipah virus from Malaysian Island flying-foxes. Microbes Infect. 2002 Feb;4(2):145-51. PubMed PMID: 11880045
- World Health Organization (WHO) Collecting, preserving and shipping specimens for the diagnosis of avian influenza A(H5N1) virus infection Guide for field operations. Annex 8. Viral transport media (VTM) October 2006.

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