Viral Transport System w/ VTM – Nasal Swab (RK05826-C)

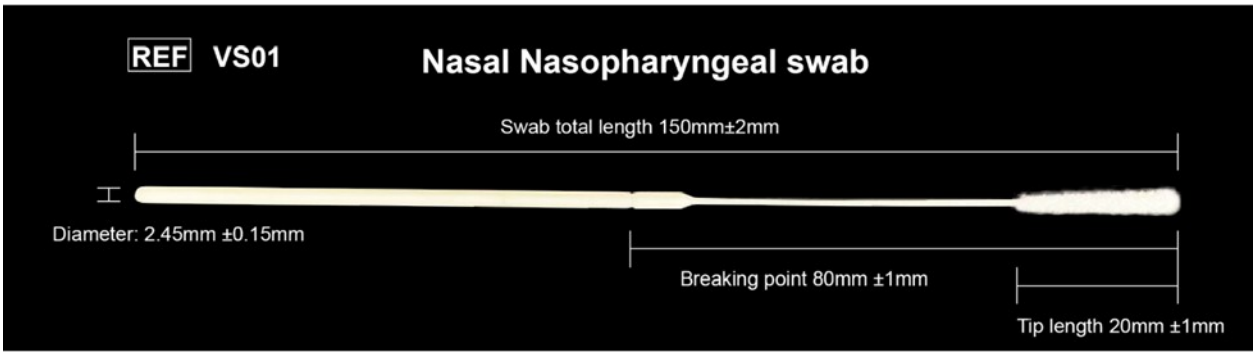
Description:

RK05826-C is a viral transport system with sterile nasal swab and 3ml of non-inactivated medium in a 10ml tube. It can be used for the transportation and preservation of microbiological samples, such as bacteria, fungi and virus.

The preservation solution consists of modified Hanks' balanced salt solution supplemented with sucrose and non-essential amino acid. Phenol red is used to indicate pH. Three antibiotics are incorporated in the medium to inhibit growth of competing bacteria and yeast. The medium is isotonic and non-toxic to mammalian host cells. The presence of sucrose acts as a cryoprotectant which aids in the preservation of viruses and chlamydiae if specimens are frozen (-70°C) for prolonged storage. It can be stored for 72 hours in room temperature .

Specification:

Swab	
Total length	150 ± 2mm
Shaft diameter	2.45 ± 0.15mm tapered to 1.1mm
Shaft material	Polystyrene
Tip length	20 ± 1mm
Tip diameter	3.5mm
Tip material	Nylon
Breakpoint from tip	80 ± 1mm
Sterility	Sterile
Tube	
Height	88mm
Medium	
Volume	3ml



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Medium composition:

NaCl	Penicillin
$MgSO_4 \cdot 7H_2O$	Gentamicin
KCl	Streptomycin sulfate
$MgCl_2 \cdot 6H_2O$	Amphotericin B
$CaCl_2$	Glycine
$Na_2HPO_4 \cdot 12H_2O$	L-Alanine
KH_2PO	L-Asparagine
Glucose	Phenol Red
Sucrose	Ultrapure water
Bovine albumin	

Intended use:

Disposable sampling tube (Non-inactivated) is intended for the collection and transport of clinical specimens containing viruses from the collection site to the testing laboratory. This kit can be processed using standard clinical laboratory operating procedures for viral culture or detection. The transport medium has not been reviewed by the FDA. The transport medium is for transport of clinical material, the transport medium serves as a culture media, non-propagating transport.

Precautions:

1. For *in-vitro* diagnostic use only.
2. To be used only by adequately trained and qualified personnel.
3. Use aseptic technique and biohazard precautions when collecting and handling specimen.
4. Sterilize all biohazard waste including specimens, containers and media after use.
5. Delays in transportation and lack of refrigeration may reduce recovery of the organisms.
6. Don't use after expiry date, and don't use if there is evidence of leakage, the color of the medium has changed color or appears turbid.
7. Directions should be read and followed carefully.

Performance:

Appearance

The medium in the tube is light orange-red liquid

Loading capacity

No less than the indicated quantity

PH value

7.4±0.2 at 25 ℃

Asepsis
The medium should be aseptic
Growth experiment
In a sterile environment, the quality control bacteria *Escherichia coli, Staphylococcus aureus* and *Candida albicans* were inoculated in the culture medium and cultured in an incubator at 36 ± 1 ℃ for 18-24 h. The growth of the quality control bacteria was inhibited.

Stability
5-25 ℃ sealed storage, valid for 24 months.

Performance characteristics
Real time PCR was used to evaluate the performance of disposable virus sampling tubes, which were performed in the laboratory with GX-P2V virus. The concentration of the virus was adjusted to four ranges.

GX - P2V virus	1	2	3	4
Concentration	1×102 cell/ml	1×103 cell/ml	1×104 cell/ml	1×105 cell/ml
Number	10	10	10	10
24h-CT mean	26.56	24.33	22.57	20.58
48h-CT mean	27.74	24.41	22.77	20.62
72h-CT mean	27.92	24.77	22.83	20.95

The specimen stability for this media was not validated for recovery of viral infectious particles using a culture-based assay;

Limitations
The transport medium serves as a culture media, non-propagating transport.

Identifier declaration

Identifier	Specification
	Please refer to the manual
	Storage condition: 5℃~25℃
	Keep in dark place
	Batch No.
	Manufacturer
	Expiry date