todylaboratories®

Virus Collection

CE REF C67VC1001

Disposable Virus Transport Medium (VTM) Tube 10ml, 3ml medium (activated type)
Instructions For Use

For *In-Vitro* diagnostic and professional use only. Store at 2°C to 30°C.

INTENDED USE

Viral Transport Medium (VTM) Tube is used for collection and transport of the clinical samples containing viruses; including SARS-CoV-2 (COVID-19) in active form from collection site to the testing laboratory.

INTRODUCTION & PRINCIPLE

Proper specimen collection and transport play a critical role in laboratory diagnosis of infectious diseases associated with viruses. viral transport medium is ready to use system that allows the collection and safe transport of clinical sample from the collection site to the testing laboratory. Viral Transport Medium Tube is stable at room temperature and consists of a balanced buffer solution to maintain neutral PH. The medium contains some antibiotics and antifungal agents to inhibit growth of bacteria and yeasts. Proper specimen collection is critical for successful isolation and identification of infectious organisms. Specimens should be collected soon after the onset of symptoms when microorganism titers are at their highest. Specimen should be placed in the transport medium immediately following collection and be promptly transferred to the laboratory for processing. For optimum recovery specimens should be refrigerated during transport. If a delay in testing or shipping is expected, specimens should be frozen at -70°C or below. Repeated freezing and thawing of specimens should be avoided as this may reduce the recovery of viable organisms.

MATERIALS PROVIDED

- Viral Medium (3ml) in 10ml screw-cap tube: Hank's basic solution, Antibiotics Bull Serum Albumin Biological buffer, etc.

STORAGE AND STABILITY

1. Storage

- 2~30°C, Usually at room temperature.
- Do not expose to strong sunlight irradiation.

2. Stability

- 2~30°C, Usually at room temperature, valid for 12 months.

SPECIMEN REQUIREMENT

Oropharyngeal/nasopharyngeal swab samples

Note:Please collect samples according to the clinical laboratory sample collection guidelines.

PRECAUTIONS

- For *in vitro* diagnostics use only.
- To be used by trained and qualified professionals.
- The sample collection condition, time and volume are important factors for obtaining reliable results. Please follow the specimen collection guidelines recommended.
- It is forbidden that the preservation solution directly touches person. If it contacts with the skin, please rinse with clean water.
- Do not soak the swab into preservation solution before sampling.
- This product is disposable, only used for collection, transportation and preservation of clinical virus specimens, and should not be used beyond the intended purpose.
- Do not use after the expiration date or if the package is damaged.
- The collection of virus specimens should be carried out by professionals in accordance with the sampling procedures strictly; When testing the specimens, operate in a laboratory that meets the required safety level.

PRODUCT PERFORMANCE

1. Appearance

Clear fluid, without precipitation or flocculent.

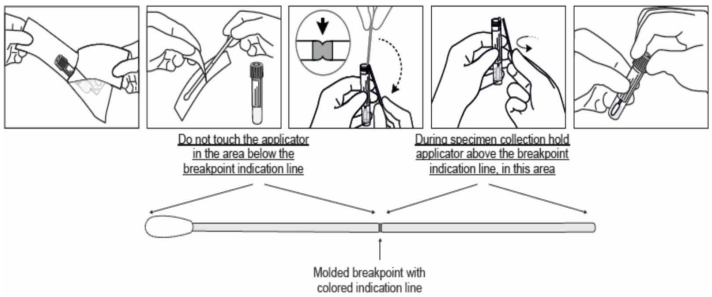
2. pH value

At room temperature, pH value 8.3-8.7

PROCEDURES

- **Swab sample**
  1. Sufficiently mix the solution before sampling.
  2. Put on gloves and take samples at the corresponding sites with the sampling swab.
  3. Remove cap from the tube. Place the swab into the tube. Make sure liquid covers the swab tip.
  4. Break or cut the end of the swab at the break point and screw the cap on tightly.
  5. Mix the tube upside down 5 times, store upright in a holder.,
  6. Label the tube with patient information in accordance with your laboratory requirements.

After collection, the specimen should be transported within 48 h to the lab, the preservation temperature being of 2 - 8 °C; If the samples cannot be sent to the laboratory within 48 hours, they should be stored at -20°C or below, and should be sent to the corresponding laboratory within 1 week. The specimen should avoid repeated freezing and thawing, as this may lead to sample degradation.



QUALITY CONTROL

Each lot of Viral Transport Medium (VTM) Tube is tested for bacterial and fungal contamination, medium PH and ability to maintain viability of selected microbial agents of clinical significance.

LIMITATION

- Conditions such as extreme temperature fluctuation and prolonged specimen transit time could impact microorganism viability and reliability of the culture result.
- Calcium alginate, cotton fiber and wooden shaft swabs are not recommended for use with Viral Transport Medium Tube, as they may affect organism viability.
- Any usage of this product in conjunction with rabid diagnostics test or instrument should be validated by the user.

REFERENCES

- Centers for Disease Control and Prevention (CDC), 2016. Guide for Shipping Infectious Substances.
- Centers for Disease Control and Prevention (CDC), 2009. Biosafety in Microbiological and Biomedical Laboratories 5thEdition.
- World Health Organization 2015. Guidance on regulations for the Transport of Infectious Substances 2015 –2016.
- S. Specter, R. L.Hodinka, S. A. Young. Clinical Virology Manual, fifth edition, 2016.

SYMBOLS

	Manufacturer
	Date of manufacture
IVD	For *in vitro* diagnostic use only
LOT	Lot number
REF	Product code
	Use by
2°C 30°C	Store between 2-30°C
CE	European Conformity
	Consult Instructions For Use
Σ	Tests per kit
	Do not use if package is damaged
	Caution
	Keep away from sunlight
	Keep dry
	Biological risks
	Upper

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