



# Viral Transport Medium (VTM) Collection Kit

Cat. No. 3310-100

VTM Collection kit contains one nasopharyngeal swab and one VTM media tube manufactured according to the CDC SOP# DSR-052-02.

## VTM Formulation

Hanks balanced salt solution, 2% HI Fetal Bovine Serum, 100µg/ml Gentamicin, 0.5µg/ml Amphotericin B

**Intended use:** For the detection of SARS-CoV-2 RNA (COVID-19) from human clinical specimen.

Not intended for internal use.

## Instructions for use

- Don appropriate PPE
- Label tube with name and birthdate of patient, date and collection time.
- Insert the nasopharyngeal swab straight back into the patient's nose until you feel resistance or reach the mark on the swab shaft, whichever occurs first. Do not force the swab.
- Let the swab sit for a few seconds to absorb liquid.
- Slowly remove the swab while twisting.
- Place the swab, tip first, into the tube of VTM
- Snap off excess swab shaft against the edge of the tube at the shaft mark.
- Securely close the tube lid.
- Refrigerate (2 – 8°C) specimens immediately after collection.
- Deliver to the testing lab without delay.

Gentueri Inc. is proud to be able to work with the Wisconsin State Laboratory of Hygiene, Communicable Disease Division to supply collection kits for COVID-19 testing. This is a perfect example of a private/public partnership coming together to solve a problem for our community

For additional questions regarding VTM produced by Gentueri Inc., please reach out to us at [info@gentueri.com](mailto:info@gentueri.com), or call our Customer Service line at 608-838-1640. [www.Gentueri.com](http://www.Gentueri.com)

## Storage/Shipping Conditions

- **Refrigerated:** Store at 2-8 °C for up to 12 months
- **Room temp transport followed by cold storage:** Store at 2-8 °C upon receipt for up to 6 months
- **Room Temp Storage:** Store at room temp (18-22 °C) for up to 12 weeks. Ongoing studies may extend this time frame in the future.

## Room Temperature Stability Study

Gentueri Inc. is working closely with the Wisconsin State Laboratory of Hygiene, Communicable Disease Division to perform a shipping/storage stability study. The Quality Control Procedure used evaluates the ability of the VTM to support detection of SARS-CoV-2 RNA from human specimen.

## Quality Control Procedure for VTM

**Sterility test-** 1 ml of VTM is aseptically plated onto Sheep Blood Agar and incubated for 48 hours at 37°C±2°C and monitored for growth.

**RNA Stability Test-** comparison with commercially available VTM.

- Two tubes of VTM are inoculated with residual SARS-CoV-2 positive patient specimen (swab in VTM) and stored for 72 hours to simulate transport/storage
  - One tube stored at 2-8 °C
  - One tube stored at ≤-70°C
- All samples are tested the same way
  - Extract nucleic acids
  - PCR according to CDC 2019-nCoV Real-time RT-PCR Diagnostic Assay
  - Cycle Threshold (Ct) growth curves are compared to controls

**Contamination Test-** uninoculated VTM is tested in the CDC PCR assay as above to evaluate for human (RNase P) and SARS-CoV-2 nucleic acid contamination.