



Viral Transport Medium (VTM) Collection Kit

Storage Conditions

- Refrigerated:** Store unused media at 2-8 °C until expiration or use
 - Room Temp:** Media is also stable at room temp (18-22 °C) for up to 5 months (per Wisconsin State Laboratory of Hygiene (WSLH))
- Do not freeze prior to use

Collection Kit

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

VTM Media 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 respiratory specimen.

Not intended for internal use.

Quality Control Procedure for VTM (performed by WSLH)

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.

Wisconsin Veterinary Diagnostic Laboratory 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.