

**Viral Transport Medium (VTM) Collection Kit**

**Storage Conditions**

•**Refrigerated**: Store unused media at 2-8 ºC until expiration or use

•**Room Temp**: Media is also stable at room temp (18-22 ºC) for up to 8 weeks (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.