



Human herpesvirus 5

VR-1578™

Description

Strain designation: UL32-EGFP-HCMV-TB40

Common name: Cytomegalovirus

Storage Conditions

Product format: Frozen

Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and

will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: MRC-5 (ATCC CCL-171)

Effects: cell enlargement; cell rounding; CPE

Complete medium:

EMEM supplemented with 2-10% FBS, 2 mM L-glutamine + sodium pyruvate

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: For best results, plate cells 24-48 hours in advance.

Infect at 80% to 90% confluence using a multiplicity of infection (MOI) of 0.01 to 1.0.

Incubation: 7-21 days at 37°C

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Recombinant HCMV virus with GFP fused to the C terminus of the tegument phosphoprotein pp150, the product of the UL32 gene. Because GFP is associated with a structural protein, virus particles fluoresce green under appropriate illumination. Useful for following intracellular traffic of virus particles.

Key Abbreviations: °C, Degrees Celsius; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; HCMV, Human cytomegalovirus; HFF, Human foreskin fibroblasts; nm, Nanometer

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human herpesvirus 5 (ATCC VR-1578)

References

References and other information relating to this material are available at www.atcc.org.

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Product Sheet

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