



Human herpesvirus 5

VR-3429™

Description

This product is an ATCC manufactured and accessioned progeny of VR-2356 cited in US Patent Number 5,783,383.

Strain designation: Recombinant RC256

Common name: Cytomegalovirus

Deposited As: ATCC accessioned progeny of Human herpesvirus 5 strain Recombinant RC256 cited in US Patent Number 5,783,383 as VR-2356.

Storage Conditions

Product format: Frozen

Storage conditions: Vapor phase of liquid nitrogen

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 degeneration; cell enlargement; cell rounding; CPE

Complete medium:

EMEM (ATCC 30-2003) + 10% FBS (ATCC 30-2020)

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: Infect host cells in a T-25 flask or equivalent culture vessel, at 80-90% confluence. Incubate for 2 to 9 days at 37°C in a humidified 5% CO₂ atmosphere. For passage, co-cultivate infected cells with fresh cells. For preservation, harvest infected cells by trypsinization, resuspend in culture fluids supplemented with DMSO to 8%, and freeze.

Incubation: Incubate for 2 to 9 days at 37°C in a humidified 5% CO₂ atmosphere.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Recombinant derivative of the attenuated Towne strain, which carries and expresses the *Escherichia coli lacZ* gene. Recombinant virus produces focal CPE, which appears as blue plaques when overlaid with X-gal (150 µg/mL in serum supplemented Virus growth medium: DMEM with 0.5% agarose). Note: This material is cited in a US and/or other Patent Application and may not be used to infringe the patent claims.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; HCMV, Human cytomegalovirus; LacZ, bacterial β-galactosidase gene; µg, Microgram; mL, Milliliter; MRC-5, Human embryonic lung cells

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-3429)

References

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

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