ATCC

Product Sheet

Human herpesvirus 5 (ATCC® VR-977™)

Please read this FIRST

Storage Temp.
Liquid nitrogen vapor phase

Biosafety Level
2

Intended Use

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

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human herpesvirus 5 (ATCC® VR-977™)

Shipping Information

Infected viable cells + 7% DMSO

Description

Strain: Towne
Classification: *Herpesviridae, Cytomegalovirus*
Common Name: Human cytomegalovirus
Original Source: Urine, man with congenital cytomegalic inclusion disease
Depositor: SA Plotkin

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

Propagation

Propagation Host:
MRC-5 (ATCC® CCL-171™)

Effect on Host:
CPE, cells round, become refractile, eventually slough off the flask

Medium:
EMEM (ATCC® 30-2003™) + 10% FBS (ATCC® 30-2020™)

Growth Conditions
Temperature: 37°C
Recommendations For Infection: Trypsinize a 2-4 day old cell culture and seed at a density of 10^5 cells per cm^2 ($2.5X10^6$ cells/T25 flask; $7.5X\ 10^5$ cells per T75 flask) using the virus growth medium (VGM). To the freshly trypsinized cells inoculate using a MOI of 0.1. Immediately add additional VGM depending upon the size of the flask used (recommended medium volume for T25 is 5 to 7 mL and for T75 15 to 22.5 mL). Incubate for 24 hours at 37°C in a 5% CO_2 atmosphere. Aspirate media and add fresh virus/cell growth medium to remove any traces of DMSO. Continue incubation.
Incubation: 2-7 days in a 5% CO_2 air atmosphere in a stationary position until CPE is seen

Comments

Virus is primarily cell-associated.

References

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

Key Abbreviations

°C, degrees Celsius
CMV, Cytomegalovirus
CO_2 (CO2), carbon dioxide
CPE, cytopathic effect
DMSO, dimethylsulfoxide
EMEM, Eagle's minimum essential medium
FBS, fetal bovine serum
MOI, multiplicity of infection
MRC-5, human embryonic lung (diploid) cells

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.
While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.
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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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