ATCC

Product Sheet

Vaccinia virus (ATCC® VR-1549™)

Please read this FIRST

Storage Temp.
-70°C or colder

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: Vaccinia virus (ATCC® VR-1549™)

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

Description

Strain: Elstree (Lister Vaccine)
Classification: *Poxviridae, Orthopoxvirus*
Original Source:
Sheep
Depositor: JH Nakano and ATCC

Batch-Specific Information

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

Propagation

Propagation Host:
Production Host: Vero cells (ATCC CCL-81)
Recommended Host: Vero cells (ATCC® CCL-81)

Effect on Host:
In cell culture, cells appear swollen and syncytial, with eventual rounding and sloughing of cells; forms plaques.
On chorio-allantoic membrane (CAM) virus forms pocks.

Medium:
Virus growth medium: EMEM (ATCC® 30-2003™) + 2%FBS (ATCC® 30-2020™)

Growth Conditions
Temperature:37.0°C
Recommendations for Infection: Plant cells 24 hours in advance and infect when cultures are 70-80% confluent. Remove medium and inoculate with a small volume of virus diluted with VGM to provide a MOI of about 0.1. Adsorb 1 hour at 37°C in a humidified 5% CO_2 atmosphere, rocking every 15-20 minutes to redistribute inoculum. End adsorption by adding VGM.
Incubation: Incubate infected Vero cell culture for 2-4 days at 37°C in a humidified 5% CO2 atmosphere, until CPE are well advanced through 90% of the culture. Incubate for 3 days on CAM.

Comments

Derived from bacterially contaminated VR-862. Treated with multiple freeze thaws and filtrations (0.45 µm filters twice and 0.2 µm filter once) to remove bacterial contaminants.

References

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

Key Abbreviations

CAM, Chorio-allantoic membrane
CE, Chicken embryo
MkK, Monkey kidney cells
°C, Degrees Celsius
CO_2 (CO2), Carbon dioxide
CPE, Cytopathic effect
MOI, Multiplicity of infection
NCBI, National Center for Biotechnology Information

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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

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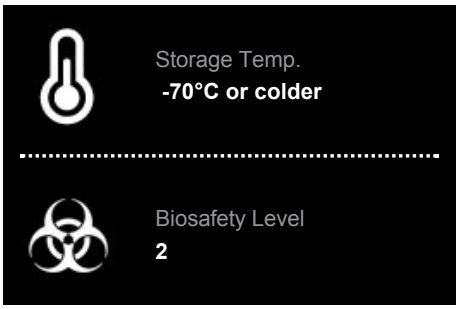

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Institutes for Health.

ATCC Warranty

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.

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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