ATCC

Product Sheet

Vaccinia virus ts mutant (ATCC® VR-3121™)

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 ts mutant (ATCC® VR-3121™)

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: IHD-W Dts8 (Dales isolate 991)
Classification: Poxviridae, Orthopoxvirus
Original Source:
derived from existing strain
Depositor: S Dales, RC Condit, S Dales

Batch-Specific Information

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

Propagation

Propagation Host:
Recommended Host: BSC-40 (ATCC CRL-2761

Effect on Host:
Yes, Cytopathic effect: Rounding and sloughing of infected cells
CPE: enlargement, plaques with rounding and eventual sloughing

Medium:
Virus growth medium: EMEM + 2% FBS

Growth Conditions
Temperature: 31.0°C
Duration: 1-3 days; For best results, cells should be 24 to 48 hours old and 80-90% confluent at time of infection [not 100% confluent].

Comments

Non-permissive incubation temperature is 39.5°C. This mutant was assigned to Dales EM category L indicating that it produces immature particles with nucleotides and defective membranes with spicules. It is also assigned the Condit map location U5. This subtype is distinguishable from the parent IHD-J strain by its ability to elicit polykaryocytosis in all mammalian and avian cells tested and by its inability to induce an active hemagglutinin at the plasma membrane.

References

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

Key Abbreviations

(define all abbreviations used on master product sheet and batch product sheet)
BSC-40 cells, African green monkey kidney cells
CPE, cytopathic effect
EMEM, Eagles minimum essential medium
ts, temperature sensitive
$TCID_{50}$(TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The $TCID_{50}$ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD_{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the $TCID_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.

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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 Institutes for Health.

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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.
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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