



Product Sheet

Canine distemper virus (ATCC® VR-1587™)

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: Canine distemper virus (ATCC® VR-1587™)

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: Snyder Hill (cell culture adapted)

Classification: *Paramyxoviridae*, *Morbillivirus*

Original Source: ATCC® VR-1587™ was derived at ATCC from ATCC® VR-526™ by adaptation to growth in Vero cells (ATCC® CCL-81™). ATCC® VR-526™, deposited by L.E. Carmichael, was isolated from brain of dog with clinical distemper, September, 1950. Because it was propagated in animal tissue ATCC will no longer offer that product.

Depositor: LE Carmichael, ATCC

Batch-Specific Information

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

Propagation

Propagation Host:

Vero cells (ATCC® CCL-81™)

Effect on Host:

CPE, vacuolization and rounding of cells, sloughing

Medium:

EMEM + 2% FBS (ATCC® 30-2020)

Growth Conditions

Recommendations for Infection: For best results cells should be 24 to 48 hours old and 70% - 90% confluent (not 100% confluent).

Incubation: 5 to 7 days at 37°C, a 5% CO₂ in air atmosphere is recommended

Comments

Neurological signs are produced with regularity only when inoculated intracerebrally. This strain does not produce hemagglutinin or hemolysin. It is used primarily as a challenge strain to test dogs for immunity to this disease. Cross-immunity tests in dogs have shown it to be similar to other classical strains of CDV.

References

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

Key Abbreviations

°C, degrees Celsius

CDV, canine distemper virus

CO₂ (CO2), carbon dioxide

CPE, cytopathic effect

EMEM, Eagles Minimum Essential Medium

FBS, fetal bovine serum

Vero, African green monkey kidney cells

VMRD, Veterinary Medical Research & Development

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

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



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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.

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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