## 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

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

## 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

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.

## Comments

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™)

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

## Key Abbreviations

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>°C</td>
<td>degrees Celsius</td>
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<tr>
<td>CDV</td>
<td>canine distemper virus</td>
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<td>CO₂ (CO)</td>
<td>carbon dioxide</td>
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<td>CPE</td>
<td>cytopathic effect</td>
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<td>EMEM</td>
<td>Eagles Minimum Essential Medium</td>
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<td>FBS</td>
<td>fetal bovine serum</td>
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<td>Vero</td>
<td>African green monkey kidney cells</td>
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<td>VMRD</td>
<td>Veterinary Medical Research &amp; Development</td>
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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.

## 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
recommend 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.

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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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