



Product Sheet

Aleutian disease virus (ATCC® VR-870™)

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: Aleutian disease virus (ATCC® VR-870™)

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: Utah-1
Classification: Parvovirus
Original Source:
Spleen tissue from mink with hypergammaglobulinemia
Depositor: DD Porter

Batch-Specific Information

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

Propagation

Propagation Host:
CRFK cells (ATCC CCL-94)
Recommended Host: CRFK cells (ATCC® CCL-94)
CRFK cells (ATCC CCL-94); primary feline kidney cells; mink
Effect on Host:
Yes, in vitro effects: production of antigen shown by immunofluorescence
CPE, reduced cell density, production of antigen shown by immunofluorescence
Yes, in vitro effects: reduced cell density

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

Growth Conditions
Temperature: 31.8°C
Duration: 10 days

Comments

Cell cultures must be rapidly growing to allow replication. No serologic cross-reaction with a number of other parvoviruses, no hemagglutination found. Causes persistent infection in mink. While maximum replication occurs at 37°C, more reliable results are obtained at 31.8°C.

References

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

Key Abbreviations

°C (C), degree Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
CRFK, Crandell feline kidney cells
EMEM, Eagles minimum essential medium
FBS, fetal bovine serum
FITC, fluorescein isothiocyanate
mL, milliliter
PrFK, primary feline kidney cells
TC, tissue culture
TCID₅₀ (TCID₅₀), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ 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% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ 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



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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 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

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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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