



Product Sheet

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

Please read this **FIRST**

Storage Temp.  
**-70°C or colder**

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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  
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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](http://www.atcc.org).

## Key Abbreviations

°C (C), degree Celsius  
CO<sub>2</sub> (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  
TCID<sub>50</sub> (TCID<sub>50</sub>), The Tissue Culture Infectious Dose  
50% endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> 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<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> 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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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