




Product Sheet


# Hybrid Moloney/Amphotropic murine leukemia virus (Mo/A-MuLV) (ATCC® VR- 1448™)

Please read this FIRST



Storage Temp.  
**Vapor phase of  
liquid nitrogen**

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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: Hybrid Moloney/Amphotropic murine leukemia virus (Mo/A-MuLV) (ATCC® VR-1448™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
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Or contact your local distributor

## Description

**Strain:** 4070A envelope strain

**Classification:** Retrovirus, Mammalian Type C Retrovirus, Mammalian Group, Amphotropic

**Original Source:** Transfection of tk(-)NIH3T3 cells with molecular clone of MLV derived by A. Dusty Miller

**Depositor:** CA Wilson

## Batch-Specific Information

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

## Propagation

**Propagation Host: Recommended Host:** This virus is continuously produced by the cell line in which it is shipped. No additional host is required; however, if desired the virus may be used to infect other cells, which are listed as alternate hosts.

**Alternate Host(s):** Many mammalian cell lines (murine, rat, human except certain bovine and hamster cells)

**Effect on Host:**

No CPE in NIH3T3 cells

**Medium:**

DMEM + 10% FBS (ATCC® 30-2020)

**Growth Conditions**

**Incubation:** 2 to 7 days at 37°C, a 5% CO<sub>2</sub> in air atmosphere is recommended

## Comments

This virus produces plaques on PG-4 (feline S+L-) cell line, and foci of rounded cells on MiCL1 (Mink S+L-) cell line. This holding consists of persistently infected tk(-) NIH3T3 producer cells that shed Mo/A-MuLV.

## References

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

## Key Abbreviations

°C, degrees Celsius

CO<sub>2</sub> (CO2), carbon dioxide

CPE, cytopathic effect

DMEM, Dulbeccos Modified Eagles Medium

FBS, fetal bovine serum

MiCL1, mink lung Moloney sarcoma virus infected cells

MuLV, murine leukemia virus

NIH3T3, contact-inhibited mouse embryo fibroblast cells PG-4, feline Moloney sarcoma virus-transformed brain cells

## 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 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.



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## Disclaimers

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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](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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