





Product Sheet

# Murine leukemia virus (ATCC® VR-1451™)

Please read this **FIRST**

	Storage Temp. <b>Liquid nitrogen</b>
	Biosafety Level <b>2</b>

## 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: Murine leukemia virus (ATCC® VR-1451™)

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  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Strain:** NFS th-1

**Classification:** Retroviridae, Gammaretrovirus, Mammalian virus group

**Common Name:** Murine leukemia virus

**Depositor:** JW Hartley

## Batch-Specific Information

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

## Propagation

### Propagation Host:

mink lung cells; many non-murine cells; M. dunni cells (ATCC CRL-2017)

Host of Choice: Mink lung cells (ATCC CCL-64).

Host Range: Mink lung cells, many non-murine cells, M. dunni cells.

### Effect on Host:

No, in vitro effects: CPE on mouse cells

No CPE, foci formation on MiCL1 cells (ATCC CCL-64.1) and plaque formation on PG-4 cells (ATCC CRL-2032).

Yes, in vitro effects: focus formation on MiCL1 cells (ATCC CCL-64.1)

Yes, in vitro effects: plaque formation on PG-4 cells (ATCC CRL-2032)

## Comments

Typical type C retrovirus. Although derived from endogenous sequences of inbred mice, does not exogenously infect mouse cells except certain cells of wild mouse origin such as M. dunni.

Biologically cloned by limiting dilution of NFS th-1 Xenotropic MuLV.

Original Preparation Contributed By: J.W. Hartley.

## References

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

## Key Abbreviations

CPE, cytopathic effect

TCID<sub>50</sub>, median tissue culture infective dose

## 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.

## Disclaimers

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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](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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