



# Murine leukemia virus

VR-998™

## Description

**Strain designation:** Rauscher

**Deposited As:** Murine erythroleukemia virus

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and

will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Effects:** CPE; proliferation of hematopoietic stem cells

**Temperature:** 37°C

**Incubation:** 3 days

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

PRV-CL18 is a non-producer cell line that contains the genome of R-SFFV. R-SFFV is a replication defective pathogenic spleen focus forming virus which, after rescue with a helper virus such as MuLV, causes rapid formation of erythroid colonies in the spleens of susceptible mice and in cultures of bone marrow cells. The R-SFFV clone can be rescued by superinfecting the host cells with Rauscher MuLV. Several weeks PI

the cells will express R-SFFV and R-MuLV which can be injected into susceptible mice pretreated with phenylhydrazine.

**Key Abbreviations:** 3T3, Contact inhibited mouse line; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; NIH, National Institutes of Health

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Murine leukemia virus (ATCC VR-998)

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## References

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

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