



# Reticuloendotheliosis virus

VR-770™

## Description

**Strain designation:** T [F]

**Common name:** Reticuloendotheliosis virus

**Deposited As:** Reticuloendotheliosis virus

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** Vapor phase of liquid nitrogen

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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.

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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

**Host:** Chicken embryo fibroblasts in tissue culture; chicken; Host Range: chicken embryo fibroblasts in tissue culture; chicken bone marrow cells; chicken; turkey; quail; duck; other avian species

**Effects:** CPE; death of host animal

**Temperature:** 38°C

**Incubation:** 8 days

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

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Avian RNA tumor virus (C-type particle,

reverse transcriptase, oncogenic, 70s RNA) but is immunologically distinct from the leukemia-sarcoma viruses because the gs antigen and reverse transcriptase are different. Tumorigenic due to rel gene. Used for the production of tumors in chickens or transformation of bone marrow cells. Negative for ALV. The original member of the rel oncogene family, "v-rel", is found in REV-T. Virus may lose tumorigenicity on tissue culture passage. TC propagated material contains helper viruses. R.L. Witter obtained from R. G. Fischer in 1968, sometimes referred to as strain F or T-F. This stock should be used by those who wish to obtain the defective rapidly transforming REV, not those who want the helper REV.

**Key Abbreviations:** ag, Antigen; ALV, Avian leukemia virus; C, Chicken; CS, Calf serum; CEF, Chicken embryo fibroblast cells; CPE, Cytopathic effect; DMSO, Dimethyl sulfoxide; gs, Group-specific; LD<sub>50</sub>, Median lethal dose; M-199, Medium 199; MDV, Marek's disease virus; mLV, Murine leukemia virus; Pen, Penicillin; REV, Reticuloendotheliosis virus; REV, Reticuloendotheliosis virus; RNA, Ribonucleic acid; Strep, Streptomycin; TC, Tissue culture; TCID<sub>50</sub>, Median tissue culture infective dose

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Reticuloendotheliosis virus (ATCC VR-770)

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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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