



# Squirrel monkey retrovirus

VR-843™

Product Sheet

## Description

**Strain designation:** 7000-22

**Deposited As:** Squirrel monkey retrovirus

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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.

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:** 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.

**Effects:** No CPE; RDDP released from cells

**Complete medium:**

DMEM (ATCC® 30-2002™) + 10% FBS (ATCC® 30-2020™)

**Temperature:** 35°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** Thaw cells, remove cryopreservative, establish culture, and subculture using standard cell propagation protocols. A subcultivation ratio of 1:2 to 1:6 is recommended. Freeze medium is complete growth medium supplemented with 8% DMSO (ATCC® 4-X™).

**Incubation:** 3-7 days at 35°C in a humidified 5% CO<sub>2</sub> atmosphere, until the cells have grown to 70-80% confluence.

## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Mature virion is 100 to 140 nm with a density of 1.16 to 1.17 g/mL. Morphologically, the virus resembles Mason-pfizer monkey virus, but is antigenically distinct from this virus. The virus has an RNA-directed DNA polymerase that prefers  $Mg^{2+}$  over  $Mn^{2+}$  in an assay in which polyribocytidylyate oligodeoxyguanylate (12-18) is used as a synthetic template.

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; DMSO, Dimethyl sulfoxide; DNA, Deoxyribonucleic acid; FBS, Fetal bovine serum; Mg, Magnesium; Mn, Manganese; RNA, Ribonucleic acid

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Squirrel monkey retrovirus (ATCC VR-843)

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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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