



# Reovirus 3

VR-232™

## Description

Reovirus 3 strain Abney is propagated in LLC-MK2 Derivative cells (ATCC CCL-7.1). This strain was isolated in 1957 from the anal specimen of a child with mild febrile respiratory illness in Washington, DC.

**Strain designation:** Abney

**Deposited As:** Reovirus type 3

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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 submerged 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 submerged 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:** LLC-MK2 Derivative (ATCC CCL-7.1)

**Effects:** cell rounding; cell sloughing; CPE

**Complete medium:**

EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

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

**Recommendations for infection:** For best results cells should be 24 to 48 hours old and 80% - 90% confluent (not 100% confluent).

**Incubation:** 6 to 7 days at 37°C, a 5% CO<sub>2</sub> in air atmosphere is recommended

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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### Notes

For passage, cell culture should be harvested after complete involvement of cell monolayer. Culture fluid contains a group-specific CF antigen.

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FA, Fluorescent antibody assay; FBS, Fetal bovine serum; FITC, Fluorescein isothiocyanate conjugate; LLC-MK2, Rhesus monkey kidney cells; M (Ms), Mouse; mL, Milliliter

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Reovirus 3 (ATCC VR-232)

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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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### Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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