



# Cache Valley virus

VR-3465™

## Description

Cache Valley virus strain Original cultivated in MRC-5 (ATCC CCL-171) cells. This virus was originally isolated in 1956 from a mosquito in Utah.

**Strain designation:** Original

**Deposited As:** Cache Valley 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

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ATCC highly recommends that appropriate personal protective equipment is always

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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:** MRC-5 (ATCC CCL-171)

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

**Complete medium:** EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

**Temperature:** 37°C

**Recommendations for infection:** Plate cells 1-2 days prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm<sup>2</sup>) diluted to provide an optimal MOI (e.g. 0.01). Adsorb 1-2 hours at 37°C in a humidified 5% CO<sub>2</sub> atmosphere. End adsorption by adding virus growth medium.

**Incubation:** 5-7 days at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, until CPE is progressed through 90-100% of the monolayer.

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## Notes

## Cache Valley virus

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Derived by adaptation of ATCC VR-298 to MRC-5 cells (ATCC CCL-171). ATCC VR-3465 and ATCC VR-298 have not been compared for sequence or infectivity in tissue culture.

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Cache Valley virus (ATCC VR-3465)

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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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Product Sheet

## Revision

This information on this document was last updated on 2026-06-03

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