



# Genomic DNA from Human herpesvirus 5 strain AD-169

VR-538D™

## Description

Viral nucleic acids, including virus genomic DNA, in total DNA isolated from MRC-5 cells (ATCC® CCL-171™) infected with Human herpesvirus 5 (HCMV) strain AD-169 (ATCC® VR-538™). Virus and host cells are also available through the ATCC® Catalog. This product was prepared using methods known to inactivate viruses.

**Organism:** Human herpesvirus 5, Cytomegalovirus

**Derived from:** Human herpesvirus 5 AD-169 (ATCC VR-538)

**Genome sequenced strain:** Yes

**Concentration:** 1 µg/mL

**Volume:** 100 µL

**Shipping information:** Total DNA from infected cells

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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 1**

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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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## 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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## Handling Procedures

1. Thaw the vial at room temperature and immediately place on ice. Avoid exposing the DNA to repeated freeze-thaw cycles as it may result in degradation of the DNA.
  2. Gently mix the sample to ensure an even distribution of material.
  3. Briefly centrifuge the tube before opening to ensure all liquid is at the bottom.
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## Quality Control Specifications

**Total amount:** Concentration is verified as  $> 1 \mu\text{g/mL}$  DNA by Picogreen<sup>®</sup> assay.

**Integrity:** Integrity is inferred from observation of high molecular weight cellular DNA following electrophoresis of 20  $\mu\text{L}$  of product on a 0.8% agarose gel, visualized by ethidium bromide staining.

**Functional tests:** Functional activity is demonstrated by PCR amplification of a 500-3,000 bp amplicon using virus-specific primers.

**Identity:** Identity is confirmed by sequencing of ~300 base pairs of the PCR amplicon. Absence of infectious virus is verified by incubation of 10% of each lot with susceptible host cells under appropriate conditions for a period of 7-14 days.

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## Notes

DNA isolated from virally infected cells is appropriate for PCR and other molecular virology applications.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Genomic DNA from Human herpesvirus 5 strain AD-169 (ATCC VR-538D)

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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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## Revision

This information on this document was last updated on 2023-07-15

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