



# 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

---

## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

---

## 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.

---

**BSL 1**

# Genomic DNA from Human herpesvirus 5 strain AD-169

## VR-538D

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.

---

## 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).

---

## 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.
- 

## Quality Control Specifications

**Total amount:** Concentration is verified as > 1 µg/mL DNA by Picogreen<sup>®</sup> assay.

**Integrity:** Integrity is inferred from observation of high molecular weight cellular DNA following electrophoresis of 20 µL 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.

---

# Genomic DNA from Human herpesvirus 5 strain AD-169

VR-538D

## Notes

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

---

## 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)

---

## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

---

## Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

---

# Genomic DNA from Human herpesvirus 5 strain AD-169

VR-538D

## Disclaimers

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. Any proposed commercial use is prohibited without a license from ATCC.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

---

## Copyright and Trademark Information

© ATCC 2023. All rights reserved.

ATCC is a registered trademark of the American Type Culture Collection.

---

# Genomic DNA from Human herpesvirus 5 strain AD-169

VR-538D

Revision

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

---

## 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

---