



Product Sheet

# Human adenovirus 34 (ATCC® VR-716™)

Please read this **FIRST**

Storage Temp.  
**-70°C or colder**

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Biosafety Level  
**2**

## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human adenovirus 34 (ATCC® VR-716™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

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## Description

**Strain:** Compton  
**Classification:** Adenoviridae, Mastadenovirus, Human adenovirus B  
**Original Source:**  
Human urine, 1972  
**Depositor:** JC Hierholzer

## Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

## Propagation

**Propagation Host:**  
HEp-2 cells (ATCC CCL-23)  
**Host of Choice:** HEp-2 (ATCC CCL-23)  
**Host Range:** WI-38, HELF, RU-1, Pr HAm, Pr HEK, KB, HEp-2  
WI-38 cells (ATCC CCL-75); human embryonic lung fibroblast; RU-1 cells (human embryonic lung); primary human amnion cells; primary human embryonic kidney cells; KB cells (ATCC CCL-17); HEp-2 cells (ATCC CCL-23)  
**Effect on Host:**  
Yes, in vitro effects: Cytopathic effects (typical adenovirus CPE)  
CPE (cell rounding, clumping, and sloughing)

## Growth Conditions

**Temperature:** 35.0°C  
Duration: 3 days

## Comments

This virus has been placed in Rosens HA group 1, subgroup 1a. No HAI or SN cross with types 1 through 33; high HAI cross between AV-34 virus and AV-35 sera; moderate HAI cross between AV-35 virus and AV-34 sera. The adenovirion, with typical morphology and CF and HA activities, has a buoyant density of 1.340 g/mL; average diameter, excluding projections is 73 nm. Partially heat labile at pH 7.0 with or without 1 M MgCl<sub>2</sub>.

## References

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

## Key Abbreviations

CPE, cytopathic effect  
HAm, human amnion  
HEK, human embryonic kidney  
HELFL, human embryonic lung fibroblasts  
HEp-2, human laryngeal tumor cells  
KB, human oral epidermoid carcinoma cells  
Pr, primary  
RU-1, human embryonic lung fibroblasts  
TC, tissue culture  
TCID<sub>50</sub>, median tissue culture infective dose  
WI-38, human embryonic lung cells

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## Biosafety Level: 2


Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S.



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Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

### ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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