



Product Sheet

Human adenovirus 34 (ATCC® VR-716™)

Please read this FIRST





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

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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 MgCl₂.

References

References and other information relating to this product are available online at 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
TCID₅₀, 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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Storage Temp.
-70°C or colder



Biosafety Level
2

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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

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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