



Human adenovirus 34

VR-716™

Description

Strain designation: Compton

Deposited As: Adenovirus type 34

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 2

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.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and

will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: HEp-2 (ATCC CCL-23)

Host Range: WI-38 (ATCC CCL-75), HELF, RU-1, Pr HAm, Pr HEK, KB (ATCC CCL-17), HEp-2 (ATCC CCL-23)

Effects: CPE; cell clustering; cell rounding; cell sloughing

Temperature: 35°C

Incubation: 3 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

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

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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_2 .

Key Abbreviations: CPE, Cytopathic effect; HAm, Human amniotic cells; HEK, Human embryonic kidney cells; HELF, Human embryonic lung fibroblasts; HEp-2, Human laryngeal tumor cells; KB, Human oral epidermal carcinoma cells; Pr, Primary; RU-1, Human embryonic lung fibroblasts; TC, Tissue culture; TCID₅₀, Median tissue culture infective dose; WI-38, Human embryonic lung (diploid) cells

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human adenovirus 34 (ATCC VR-716)

References

References and other information relating to this material are available at www.atcc.org.

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Revision

This information on this document was last updated on 2022-10-01

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