



# Human adenovirus D

VR-14™

## Description

**Strain designation:** A.A.

**Common name:** Human adenovirus 13

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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 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.

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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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## Growth Conditions

**Effects:** cell rounding; cell sloughing; CPE

**Complete medium:**

EMEM (ATCC® 30-2003™) + 5% Chicken serum

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** Plant cells 24-48 hours in advance and infect when cultures are 60-90% confluent. Remove medium and inoculate with a small volume (e.g. 1mL per 25 cm squared) of virus diluted with VGM to provide a MOI of about 0.1-1.0. Adsorb 1-2 hours at 37°C in a 5% CO<sub>2</sub> atmosphere. End adsorption by adding VGM.

**Incubation:** Incubate infected culture for 1-6 days at 37°C in a 5% CO<sub>2</sub> humidified atmosphere until CPE is well advanced through 90% of culture.

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Agglutinates both rat and rhesus RBC but usually the former to a higher titer than the latter. Contains soluble group-specific complement fixing antigen. Recognized

Reference Strain: Pereira HG, et al. A short description of the adenovirus group.

Virology 20: 613, 1963. PubMed: 14059828

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human adenovirus D (ATCC VR-14)

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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 2022-10-01

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