



# Human adenovirus 43

## **VR-1305™**

### **Description**

- **Strain designation** 1309
  - **Deposited As** Adenovirus type 43
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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

- **Host** A549 ([ATCC CCL-185](#))  
Alternate Host(s): HEp-2 cells (ATCC CCL-23), KB cells (ATCC CCL-17), human embryonic lung fibroblasts, primary human embryonic kidney cells
  - **Effects** cell rounding; cell sloughing; CPE; hemagglutination of red blood cells
  - **Complete medium**  
F-12K (ATCC<sup>®</sup> 30-2004<sup>™</sup>) + 2% FBS (ATCC<sup>®</sup> 30-2020<sup>™</sup>).
  - **Temperature** 36°C
  - **Atmosphere** 95% Air, 5% CO<sub>2</sub>
  - **Recommendations for infection** For best results, plate cells 24-48 hours in advance. Infect at about 80% confluence using a multiplicity of infection (MOI) of 0.1 to 1.0. Incubate at 36°C for 5-9 days, until CPE are well advanced in 100% of the culture. A 5% CO<sub>2</sub> in air atmosphere is recommended.
  - **Incubation** 5-9 days
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## Handling Procedures

- **Mycoplasma contamination** Not detected
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## Notes

This mycoplasma free adenovirus is obtained from mycoplasma contaminated adenovirus following treatment with diethyl ether.

- **Key Abbreviations** CPE, Cytopathic effect; FBS, Fetal bovine serum; HEp-2, Human laryngeal tumor cells; KB, Human oral epidermal carcinoma cells
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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 43 (ATCC VR-1305)

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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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