



Adeno-associated virus 3

VR-681™

Description

Strain designation: H

Common name: AAV-3H

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 submerged in liquid nitrogen and

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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: 293 [HEK-293] (ATCC CRL-1573)

Alternate Hosts: HEK cells, KB cells (ATCC CCL-17) and HeLa cells (ATCC CCL-2)

Effects: cell rounding; cell sloughing; CPE

Complete medium:

Leibovitz's L-15 (ATCC® 30-2008™) + 2% FBS (ATCC® 30-2020™)

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: Plant cells 24-48 hours in advance and infect when cultures are 80-90% confluent. Remove medium and inoculate with helper adenovirus and a small volume (e.g. 1 mL per 25 cm²) of virus diluted with VGM to provide a MOI of about 0.1-1.0. Adsorb 2 hours at 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: Incubate infected culture for 2-3 days at 37°C temperature in a humidified 5% CO₂ atmosphere, until CPE are well advanced through 90% of the culture.

Handling Procedures

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Mycoplasma contamination: Not detected

Notes

Requires co-infection with helper adenovirus Adenovirus type 2 (ATCC[®] VR-846) for replication. Helper virus may be inactivated after harvest in water bath at 56°C for 30 minutes. Cross reacts with AAV-2, no hemagglutinin detected.

Key Abbreviations: TCID₅₀, Median tissue culture infective dose; °C, Degrees Celsius; bp, Base pairs; CO₂, Carbon dioxide; CPE, Cytopathic effect; HEK, Human embryonic kidney cells; L-15, Leibovitz's L-15 Medium; MOI, Multiplicity of infection; NCBI, National Center for Biotechnology Information; PFU, Plaque forming units; TC, Tissue culture

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Adeno-associated virus 3 (ATCC VR-681)

References

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

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Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
