



Hepatitis A virus

VR-3456™

Description

This product is an ATCC manufactured and accessioned progeny of VR-2281 cited in US Patent Number 5,268,292.

Strain designation: HAS-15

Deposited As: ATCC accessioned progeny of Hepatitis A virus strain HAS-15 cited in US Patent Number 5,268,292 as VR-2281.

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: FRhK-4 (ATCC CRL-1688)

Effects: cell death; cell rounding; CPE

Complete medium: DMEM (ATCC 30-2002) + 2% FBS (ATCC 30-2020)

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: For best results, infection should be performed on a 70-80% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 14-21 days at 37°C in a humidified 5% CO₂ atmosphere.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Genome contains 18-nucleotide deletion within VP1 capsid protein between nucleotides 2283-2301. Attenuated for chimpanzees at 200ng dose. Note: This material is cited in a U.S. and/or other patent application and may not be used to infringe the patent claims.

Key Abbreviations: bp, Base pairs; CO₂, Carbon dioxide; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; ELISA, Enzyme-linked immunosorbent assay; FBS, Fetal bovine serum; mL, Milliliter; ng, Nanogram; FRhK-4, Fetal rhesus monkey kidney; PCR, Polymerase chain reaction; TC, Tissue culture

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Hepatitis A virus (ATCC VR-3456)

References

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

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