Product Sheet

Hepatitis A virus

Description

Hepatitis A virus strain HM 175 (uncloned) is propagated in FRhK-4 cells (ATCC CRL-1688). This animal virus was isolated from human stool specimens during an outbreak of the virus.

Strain designation: HM 175 (uncloned)

Deposited As: Hepatitis A

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Patent number:

4,894,228

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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

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diagnostic use.

BSL 2

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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)





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Effects: cell degeneration; 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 80-90% 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: 21-28 days at 37°C in a humidified 5% CO_2 atmosphere, until CPE is progressed through 80% of the monolayer.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

This material is cited in a U.S. and/or other Patent and may not be used to infringe the patent claims.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; FBS, Fetal bovine serum; FRhK-4, Fetal rhesus monkey kidney; PBS, Phosphate-buffered saline

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-2093)

References



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

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Revision

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