



Product Sheet

Hepatitis A virus (ATCC® VR-1402™)

Please read this FIRST





Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Hepatitis A virus (ATCC® VR-1402™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain: HM175/18f

Classification: *Picornaviridae*, *Hepatovirus*

Original Source: Human fecal material passaged in marmosets. Virus isolated from marmoset liver in primary cells then passaged in BS-C-1 cells.

Depositor: SM Lemon

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

Propagation

Propagation Host:

FRhK4 (ATCC® CRL-1688™)

Effect on Host:

CPE, refractile rounding and degeneration

Medium:

EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 35°C

Recommendations For Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 35°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 6-7 days

Comments

Strain demonstrates a rapid replication/cytopathic effect (RR/CPE+) phenotype in BS-C-1 cells, but retains antigenic characteristics of low cell culture passage hepatitis A virus. CPE more pronounced in FRhK4 cells.

References

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

Key Abbreviations

CO₂ (CO2), carbon dioxide

CPE, cytopathic effect

°C, degrees Celsius

EMEM, Eagle's minimum essential medium

FBS, fetal bovine serum

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.



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	Storage Temp. -70°C or colder
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	Biosafety Level 2

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Disclaimers

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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