**Product Sheet** 

Hepatitis A virus

VR-1357<sup>™</sup>

#### Description

Strain designation: PA21 Deposited As: Hepatitis A virus

## **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 **VR-1357** 

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: BS-C-1 (ATCC CCL-26) Effects: detectable by IFA or PCR; No CPE Complete medium: EMEM (ATCC<sup>®</sup> 30-2003<sup>™</sup>) + 2% FBS (ATCC<sup>®</sup> 30-2020<sup>™</sup>) + 2.5 µg/mL Amphotericin B (ATCC<sup>®</sup> 30-2301<sup>™</sup>) Temperature: 35°C Atmosphere: 95% Air, 5% CO<sub>2</sub> Recommendations for infection: For best results cells should be 24 to 48 hours old and 70% - 80% confluent (not 100% confluent). **Incubation:** 20 to 28 days at 35°C, a 5% CO<sub>2</sub> in air atmosphere is recommended.

# Handling Procedures Mycoplasma contamination: Not detected



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#### Notes

PA21 is one of the better characteristic primate HAV strains that differ significantly from the HM175- like isolates. This holding is contaminated with fungus that can, with difficulty, be controlled by Amphotericin B. Prepared vials should be freeze-thawed 3 times to release the virus from the cells, spun to remove cellular debris and then filtered through a 0.2 mm filter before use to reduce problems with the fungal contamination.

**Key Abbreviations:** °C, Degrees Celsius; bp, Base pairs; BS-C-1, African green monkey kidney cells; cat, Catalog; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; ELISA, Enzymelinked immunosorbent assay; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; FITC, Fluorescein isothiocyanate conjugate; H, Human; HAV, Hepatitis A virus; IF, Immunofluorescence; IgG, Immunoglobulin G; MAb, Monoclonal antibody; MkK, Monkey kidney; mL, Milliliter; PA21, Panama inocula number 21; PCR, Polymerase chain reaction; RNA, Ribonucleic acid; RT, Reverse transcriptase

## **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-1357)

#### References

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

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# Revision

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