ATCC

Product Sheet

H-1 virus (ATCC® VR-356™)

Please read this FIRST

Storage Temp.
-70°C or colder

Biosafety Level
2

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: H-1 virus (ATCC® VR-356™)

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: Toolan
Original Source:
Human embryo lung (4 months operative abortion) from mother with metastatic breast cancer, who had an HAI and neutralizing titer of 1:640 to H-1 virus
Depositor: HW Toolan

Batch-Specific Information

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

Propagation

Propagation Host:
neonatal hamster; Chang Liver cells (ATCC CCL-13)
Production Host: Chang L (ATCC® CCL-13), nbHa
hamster; human; rhesus monkey; rat

Effect on Host:
Yes, in vitro effects: Cytopathic effects (cell death) in tissue culture
CPE and cell death in TC; death of deformity of newborn hamster depending on virus concentration.
Yes, in vivo effects: death or deformity of newborn hamster depending on virus concentration

Growth Conditions
Temperature: 37.0°C
Duration: 5 days

Comments

Plaque purified on Salk MkHe. Hemagglutinates a variety of RBC, particularly guinea pig, hamster and human, and also has a CF antigen. Produces deformity or death in newborn hamsters and neutralizing antibodies in human, monkeys, hamsters and rats. Virus has been sequenced: GenBank Accession ID X01457.1.

References

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

Key Abbreviations

°C, degrees Celsius
Chang L, human liver cells
CO_2 (CO2), carbon dioxide
CPE, cytopathic effect
Ha, Hamster
HAI, Hemagglutination inhibition
He, Heart
Mk, Monkey
MOI, multiplicity of infection
nb, newborn
RBC, red blood cells
TC, tissue culture

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09/2011, KY/KKJ/SR

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.

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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.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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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