





Product Sheet

Influenza A virus (H1N1) (ATCC® VR-1738™)

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: Influenza A virus (H1N1) (ATCC® VR-1738™)

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: A/Virginia/ATCC3/2009

Classification: *Orthomyxoviridae*, *Influenzavirus A*

Original Source:

Nasopharyngeal specimen from a patient positive for Flu A in Virginia, 2009.

Depositor: ATCC

Batch-Specific Information

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

Propagation

Propagation Host:

MDCK (ATCC® CCL-34™)

Effect on Host:

CPE, rounded refractile cells with cell degeneration

Medium:

Virus growth medium: EMEM (ATCC® 30-2003) + 2 µg/ mL TPCK treated with trypsin + 0.125% BSA Fraction V + 10 mM HEPES Buffer

Growth Conditions

Temperature: 35°C

Recommendations for Infection: Plate cells 24 hours in advance and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus diluted to provide a MOI 0.1. Adsorb 1 hour at 35°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium. Grow in serum free media that contains 2.0µg/ml TPCK-treated trypsin.

Incubation: 2-5 days

Comments

Item analyzed using Real-time RT-PCR to determine strain is of pandemic swine Influenza A origin.

References

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

Key Abbreviations

°C, degrees Celsius

CO₂ (CO2), carbon dioxide

CPE, cytopathic effect

MOI, multiplicity of infection

MDCK, Madine Darby Canine Kidney

EMEM, Eagles Minimal Essential Medium

TPCK, 1(Tosylamide-2 phenyl) ethyl chloromethyl ketone

BSA, Bovine serum albumin

HEPES, 2-[4-(2-hydroxyethyl)piperazin-1-yl]ethanesulfonic acid

µg, microgram

mL, milliliter

mM, millimolar

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




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Storage Temp.
-70°C or colder



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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. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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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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