




## Product Sheet

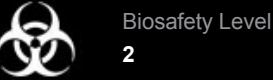
# Influenza A virus (H1N1) (ATCC® VR-1736™)

### Please read this FIRST



Storage Temp.  
**-70°C or colder**

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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: Influenza A virus (H1N1) (ATCC® VR-1736™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

**Strain:** A/Virginia/ATCC1/2009

**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)

**Production Host:** MDCK (ATCC® CCL-34)

**Effect on Host:**

CPE, rounded refractile cells with cell degeneration

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### 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 with virus growth medium to provide a MOI 0.1. Adsorb 1 hour at 35°C in a humidified 5% CO<sub>2</sub> atmosphere. End adsorption by adding virus growth medium. Grow item in serum free media that contains 2.0 µg/mL TPCK-treated trypsin, 0.125% BSA Fraction V and 10mM HEPES Buffer.

**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](http://www.atcc.org).

### Key Abbreviations

°C, degrees Celsius

CO<sub>2</sub> (CO2), carbon dioxide

CPE, cytopathic effect

MOI, multiplicity of infection

MDCK, Madine Darby Canine Kidney

EMEM, Eagles Minimal Essential Medium

TPCK, tosyl phenylalanyl chloromethyl ketone

BSA, Bovine serum albumin

HEPES, hydroxyethyl piperazineethanesulfonic acid

µg, microgram

mL, milliliter

mM, millimolar

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01/2012, JQG/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

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Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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