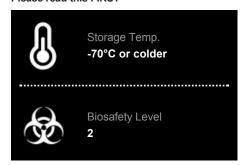


**Product Sheet** 

# Influenza A virus (H1N1) (ATCC<sup>®</sup> VR-1683<sup>™</sup>)

### 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 $^{\oplus}$  VR-1683 $^{\text{TM}}$ )

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: <u>Tech@atcc.org</u>

Or contact your local distributor

## Q Description

Strain: A/Swine/Iowa/15/30 (TC-adapted)

Classification: Orthomyxoviridae, Influenzavirus A

Original Source: Swine in Iowa, 1930

Depositor: A. P. Kendal and ATCC



### Propagation

**Propagation Host:** 

Production Host: MDCK (ATCC CCL-34)

Alternate Hosts: Chicken embryo, MDCK and Monkey kidney cells (MkK)

Recommended Host: MDCK (ATCC® CCL-34)

### Effect on Host:

CPE (cell rounding, degeneration, sloughing) CPE (cell rounding, degeneration, sloughing)

#### Medium

Virus growth medium: EMEM (ATCC® 30-2003) + BSA (Invitrogen 15260-037) + HEPES (Gibco 15630-106) + Trypsin [TPCK Treated] (USB 22725)

### **Growth Conditions**

For best results, plate cells 24-48 hours in advance. Infect at 80%-90% confluent (not 100% confluent) using a multiplicity of infection (MOI) of 0.01 to 1.0. Incubate at 33.5°C in a humidified, 5% CO2 atmosphere for 2-4 days, until CPE are well advanced in 100% of the culture. In TC, ATCC VR-1683 should be grown in serum free media that contains 1 ug/ml TPCK-treated trypsin, 0.125% BSA and 1% HEPES (1 molar stock).



### Comments

Derived by adaptation of egg-passage A/Swine/Iowa/15/30 (ATCC® VR-333) to MDCK (ATCC® CCL-34) cells. (Note: ATCC® VR-333 and ATCC® VR-1683 have not been compared with respect to sequence or infectivity in chick embryo and tissue culture).



### References

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



## Key Abbreviations

BSA, bovine serum albumin

CE, chicken embryo

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

CPE, cytopathic effect

EMEM, Eagles minimum essential medium

HEPES, N-2-Hydroxyethylpiperazine-N-2-Ethane Sulfonic acid

MDCK, Madin-Darby canine kidney cells

mg (ug), microgram

mg, milligram

MkK, monkey kidney cells

mL, milliliter

RBC, red blood cells

TC, tissue culture

TPCK, 1(Tosylamide-2 phenyl) ethyl chloromethyl

ketone

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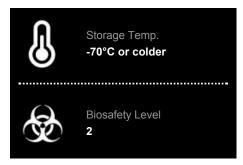
Biosafety Level: 2



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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**

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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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