

Influenza A Virus, A/New York/18/2009 (H1N1)pdm09 (Tissue Culture Adapted)

Catalog No. NR-15268

For research use only. Not for human use.

Contributor:

Alexander Klimov, Ph.D., Chief, Viral Surveillance and Diagnostic Branch, Influenza Division, National Center for Immunization and Respiratory Diseases, Coordinating Center for Infectious Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain: A/New York/18/2009 (H1N1)

Source: NR-15268 was derived through tissue culture adaptation of BEI Resources NR-14694, which was originally isolated (in eggs) from a 15-year-old male in New York on April 25, 2009.¹

Comments: Sequence information is available for influenza A virus, A/New York/18/2009 (H1N1)pdm09 at the [Influenza Research Database](http://www.ncbi.nlm.nih.gov/INFLUENZA/).

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from Madin-Darby Canine Kidney cells (MDCK; ATCC® CCL-34™) infected with influenza A virus, A/New York/18/2009 (H1N1)pdm09 (tissue culture adapted).

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-15268 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Host: MDCK cells (ATCC® CCL-34™)

Growth Medium: Eagle's Minimum Essential Medium supplemented with 10 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin, 10mM 4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid (HEPES) buffer and 0.125% bovine serum albumin

Infection: Cells should be approximately 95% confluent

Incubation: 2 to 6 days at 35°C with 5% CO₂

Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/New York/18/2009 (H1N1)pdm09 (Tissue Culture Adapted), NR-15268."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

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References:

- Garten, R. J., et al. "Antigenic and Genetic Characteristics of Swine-Origin 2009 A(H1N1) Influenza Viruses Circulating in Humans." Science 325 (2009): 197-201. PubMed: 19465683.

2. Dawood, F. S., et al. "Emergence of a Novel Swine-Origin Influenza A (H1N1) Virus in Humans." N. Engl. J. Med. 360 (2009): 2605-2615. PubMed: 19423869. Erratum in N. Engl. J. Med. 361 (2009): 102.

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