

**Influenza A Virus, A/San Diego/1/2009  
(H1N1)pdm09, Cell Isolate  
(Produced in Cells)**

**Catalog No. NR-15241**

**For research use only. Not for human use.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain: A/San Diego/1/2009 (H1N1)pdm09

Original Source: Influenza A virus, A/San Diego/1/2009 (H1N1)pdm09 is a swine-origin influenza A virus that was isolated from a nasal swab from a human in San Diego, California in 2009.<sup>1</sup>

**Material Provided:**

Each vial contains approximately 1 mL of cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells (ATCC® CCL-34) infected with influenza A virus, A/San Diego/1/2009 (H1N1)pdm09.

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

**Packaging/Storage:**

NR-15241 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen 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: Dulbecco's Modified Eagle Medium supplemented with 0.2% bovine serum albumin, 25 mM HEPES and 1.0 to 2.0 µg/mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin

Infection: Cells should be 80-100% confluent

Incubation: 2 to 5 days at 35°C and 5% CO<sub>2</sub>

Cytopathic Effect: Refractile cell rounding and sloughing

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/San Diego/1/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells), NR-15241."

**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](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. Lu, Q., et al. "Detection in 2009 of the Swine Origin Influenza A (H1N1) Virus by a Subtyping Microarray." J. Clin. Microbiol. 47 (2009): 3060-3061. PubMed: 19605579.

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