

Influenza A Virus, A/Tijuana/4/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells)

Catalog No. NR-15246

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/Tijuana/4/2009 (H1N1)pdm09

Original Source: Influenza A virus, A/Tijuana/4/2009 (H1N1)pdm09 is a swine-origin influenza A virus that was isolated from a nasal swab from a human in Tijuana, Mexico in 2009.¹

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/Tijuana/4/2009 (H1N1)pdm09.

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

Packaging/Storage:

NR-15246 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 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% CO₂

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/Tijuana/4/2009 (H1N1)pdm09, Cell Isolate

(Produced in Cells), NR-15246."

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/bmbl5/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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