

Influenza A Virus, A/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09

Catalog No. NR-44345

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09

Original Source: Influenza A virus, A/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09 was isolated from a human in Hong Kong on July 31, 2009.¹

Comments: Sequence information is available for influenza A virus, A/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09 at the [Bacterial and Viral Bioinformatics Resource Center](http://www.bacterioinformatics.org).

Material Provided:

Each vial contains approximately 1.0 mL of cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells (ATCC® CCL-34™) infected with influenza A virus, A/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09.

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

Packaging/Storage:

NR-44345 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: Eagle's Minimum Essential Medium supplemented with 1.0 µg per mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin, or equivalent

Infection: Cells should be 100% confluent

Incubation: 2 to 6 days at 37°C and 5% CO₂

Cytopathic 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/Hong Kong/H090-761-V1(0)/2009 (H1N1)pdm09, NR-44345."

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 \(BMBL\)](http://www.fda.gov/oc/ohrt/biosafety.html), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Poon, L. L., et al. "Viral Genetic Sequence Variations in Pandemic H1N1/2009 and Seasonal H3N2 Influenza Viruses within an Individual, a Household and a Community." *J Clin Virol*. 52 (2011): 146-150. PubMed: 21802983.

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