

Genomic RNA from Influenza A Virus, A/California/04/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells)

Catalog No. NR-14689

For research use only. Not for use in humans.

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, USA

Manufacturer:

BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34™) infected with influenza A virus, A/California/04/2009 (H1N1)pdm09.¹ Influenza A virus, A/California/04/2009 (H1N1)pdm09 was isolated from a 10-year-old boy with asthma in San Diego County, California on April 1, 2009.¹ Sequence information is available for influenza A virus, A/California/04/2009 (H1N1)pdm09 at the [Influenza Research Database](#).

NR-14689 has been qualified for PCR applications by amplification of an approximately 1030 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-14689 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. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Influenza A Virus, A/California/04/2009 (H1N1)pdm09, Cell Isolate (Produced in Cells), NR-14689.”

Biosafety Level: 1

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](#). 6th ed.

Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbli5/index.htm.

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References:

1. 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.
2. 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.

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