

Influenza A Virus, A/Perth/16/2009 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), NIB-64

Catalog No. NR-41803

Derived from CDC ID No. 2010702415

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/Isolate: A/Perth/16/2009 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), NIB-64

Preparation: Classical reassortant derived from A/Perth/16/2009 (H3N2) and A/Puerto Rico/8/1934 (H1N1) viruses. The HA and NA proteins are from A/Perth/16/2009 (H3N2).

Comments: Influenza A virus, A/Perth/16/2009 (H3N2) was isolated from a human in Australia on April 7, 2009. The US Food and Drug Administration recommended influenza A/Perth/16/2009 (H3N2)-like viruses for use as vaccines during the 2010-2011¹ and 2011-2012² influenza seasons. The World Health Organization recommended influenza virus A/Perth/16/2009 (H3N2)-like viruses for use as vaccines during the 2010, 2011, and 2012 Southern Hemisphere and the 2010-2011 and 2011-2012 Northern Hemisphere influenza seasons.³ Sequence information is available for influenza A virus, A/Perth/16/2009 (H3N2) at the [Influenza Research Database](#).

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with reassortant influenza A virus, A/Perth/16/2009 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).

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

Packaging/Storage:

NR-41803 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: 9- to 11-day-old SPF embryonated chicken eggs

Infection: Embryonated chicken eggs must be candled for viability prior to inoculation

Incubation: 2 days at 34°C in a humidified chamber

Effect: Hemagglutination activity using chicken red blood cells and allantoic fluid from infected embryonated chicken eggs

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Perth/16/2009 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), NIB-64, NR-41803."

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:

1. [CDC Prevention and Control of Influenza - 2010 Recommendations](#) (PubMed: [20689501](#))
2. [CDC Prevention and Control of Influenza - 2011 Recommendations](#) (PubMed: [21866086](#))
3. [WHO Recommendations for Influenza Vaccines](#)

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