

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 use in humans.

Contributor:

WHO Collaborating Center for Surveillance, Epidemiology and Control of Influenza, Centers for Disease Control and Prevention, Atlanta, Georgia, USA

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

Original Source: Influenza A virus, A/Perth/16/2009 (H3N2) was isolated from a human in Australia on April 7, 2009. A classical reassortant was 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: The US Food and Drug Administration recommended influenza A/Perth/16/2009 (H3N2)-like viruses for use as vaccines during the 2010-2011 and 2011-2012 influenza seasons.^{1,2} 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 [Bacterial and Viral Bioinformatics Resource Center](http://www.biorxiv.org/content/10.1101/000000).

Material Provided:

Each vial contains approximately 1.0 mL of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with 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-41308 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 to confirm viability prior to inoculation

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

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

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/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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