

Influenza A Virus, A/Brisbane/59/2007 (H1N1)

Catalog No. NR-12282

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Contributor:

National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH)

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Brisbane/59/2007 (H1N1)

Original Source: Influenza A virus, A/Brisbane/59/2007 (H1N1) was originally isolated from a 47-year-old female in Queensland, Australia on July 1, 2007. Following isolation, this strain was passaged in eggs at the CDC followed by two egg passages at Baylor College of Medicine prior to deposit to BEI Resources.

Comments: The US Food and Drug Administration recommended influenza A/Brisbane/59/2007 (H1N1)-like viruses for use as vaccines during the 2008-2009¹ and 2009-2010² influenza seasons. The World Health Organization recommended influenza A/Brisbane/59/2007 (H1N1)-like viruses for use as vaccines during the 2008-2009 Northern Hemisphere, the 2009 Southern Hemisphere and the 2009-2010 Northern Hemisphere influenza seasons.³ Sequence information is available for influenza A virus, A/Brisbane/59/2007 (H1N1) at the [Influenza Research Database](http://www.ncbi.nlm.nih.gov/INFLUENZA).

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with influenza A virus, A/Brisbane/59/2007 (H1N1).

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

Packaging/Storage:

NR-12282 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 35°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/Brisbane/59/2007 (H1N1), NR-12282."

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. [CDC Prevention and Control of Influenza - 2008 Recommendations](http://www.cdc.gov/preventionandcontrol/influenza/2008-recommendations) (PubMed: 18685555)

2. [CDC Prevention and Control of Influenza - 2009 Recommendations](#) (PubMed: 19644442)
3. [WHO Recommendations for Influenza Vaccines](#)

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