

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

Catalog No. NR-12282

This reagent is the property of the U.S. Government.

For research use only. Not for use in humans.

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 Centers for Disease Control and Prevention (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 2008-2009 and 2009-2010 influenza seasons.^{1,2} 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](#).

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

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. [CDC Prevention and Control of Influenza - 2008 Recommendations](#) (PubMed: 18685555)
2. [CDC Prevention and Control of Influenza - 2009 Recommendations](#) (PubMed: 19644442)
3. [WHO Recommendations for Influenza Vaccines](#)

ATCC® is a trademark of the American Type Culture Collection.

