

Influenza A Virus, A/Brisbane/59/2007 (H1N1) (Tissue Culture Adapted)

Catalog No. NR-31657

For research use only. Not for human use.

Contributor and Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Brisbane/59/2007 (tissue culture adapted)

Source: NR-31657 was derived through tissue culture adaptation of BEIR NR-12282 which was isolated in 2007 from a 47-year-old female in Brisbane, Australia. After isolation, this strain was passaged in eggs at the CDC, followed by two egg passages at Baylor College of Medicine prior to deposit.

Comments: Sequence information is available for influenza A virus, A/Brisbane/59/2007 (H1N1) at the [Influenza Research Database](#). The World Health Organization recommended influenza A/Brisbane/59/2007 (H1N1)-like viruses for use as vaccines during the 2008-2009 and 2009-2010 Northern Hemisphere influenza seasons and during the 2009 Southern Hemisphere influenza season.^{1,2}

Material Provided:

Each vial contains approximately 1 mL of cell lysate and supernatant from Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34™) infected with influenza A virus, A/Brisbane/59/2007 (H1N1) (tissue culture adapted).

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

Packaging/Storage:

NR-31657 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: MDCK cells (ATCC® CCL-34™)

Growth Medium: Minimum Essential Medium supplemented with L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin and Bovine Serum Albumin, or equivalent.

Infection: Cells should be 95% to 100% confluent)

Incubation: 2 to 8 days at 35°C and 5% CO₂

Cytopathic Effect: Cell rounding and detachment

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Brisbane/59/2007 (H1N1) (Tissue Culture Adapted), NR-31657.”

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:

- <http://www.who.int/influenza/vaccines/vaccinerecommendations1/en/index1.html>
- Fiore, A. E., et al. “Prevention and Control of Seasonal Influenza with Vaccines: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2010.” MMWR Recomm. Rep. 59 (2010): 1-62. PubMed: 20689501.

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