

**Influenza A Virus,
A/Solomon Islands/3/2006 (H1N1)**

Catalog No. NR-12281

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Contributor:

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

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Solomon Islands/3/2006 (H1N1)

Original Source: Influenza A/Solomon Islands/3/2006 (H1N1) was originally isolated on August 21, 2006 from a human nasal swab in the Solomon Islands in the South Pacific. Following isolation this strain was passaged in eggs at the CDC followed by two egg passages at Baylor College of Medicine prior to deposition.

Comments: Influenza A/Solomon Islands/3/2006 (H1N1)-like viruses were used as the influenza A (H1N1) component of the 2007-2008 vaccine for the northern hemisphere^{1,2} and the 2008 vaccine for the southern hemisphere.^{1,3}

Influenza A virus, A/Solomon Islands/3/2006 (H1N1) is also available as BEI Resources NR-41798. NR-41798 was grown from seed virus deposited by the Centers for Disease Control through the Influenza Reagent Resource.

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/Solomon Islands/3/2006 (H1N1).

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

Packaging/Storage:

NR-12281 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: 1 to 3 days at 33°C to 35°C in a humidified chamber without CO₂

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/Solomon Islands/3/2006 (H1N1), NR-12281."

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. [WHO Recommendations for Influenza Vaccines](#)

2. World Health Organization. "Recommended Composition of Influenza Virus Vaccines for Use in the 2007-2008 Influenza Season." Wkly. Epidemiol. Rec. 82 (2007): 69-74. PubMed: 17333570.
3. World Health Organization. "Recommended Composition of Influenza Virus Vaccines for Use in the 2008 Influenza Season." Wkly. Epidemiol. Rec. 82 (2007): 351-356. PubMed: 17918656.

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