

Influenza A Virus, A/Beijing/262/95 (H1N1)

Catalog No. NR-12277

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Contributor:

National Institute of Allergy and Infectious Diseases, National Institutes of Health

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Beijing/262/95 (H1N1)

Original Source: Influenza A virus, A/Beijing/262/95 (H1N1) was isolated from human in Beijing, China (1995). 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/Beijing/262/95 (H1N1)-like viruses were used as the influenza A (H1N1) component of the 1998-2000 vaccine for the northern hemisphere^{1,2} and the 1999 vaccine for the southern hemisphere.^{1,3} The complete genomic sequence of influenza A virus, A/Beijing/262/95 (H1N1) has been determined (GenBank: CY033614 to CY033621).

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/Beijing/262/95 (H1N1).

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

Packaging/Storage:

NR-12277 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -70°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: 10-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 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 the NIH Biodefense and

Emerging Infections Research Resources Repository, NIAID, NIH: Influenza A Virus, A/Beijing/262/95 (H1N1), NR-12277."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. World Health Organization. "Recommended Composition of Influenza Virus Vaccines for Use in the 1998-1999 Season." Wkly. Epidemiol. Rec. 73 (1998): 56-61. PubMed: 9523511.
2. World Health Organization. "Recommended Composition of Influenza Virus Vaccines for Use in the 1999-2000 Season." Wkly. Epidemiol. Rec. 74 (1999): 57-61. PubMed: 10079754.

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3. World Health Organization. "Recommendation for the Composition of Influenza Virus Vaccines for Use in 1999." Wkly. Epidemiol. Rec. 73 (1998): 305-308. PubMed: 9787645.

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