Product Information Sheet for NR-3578

Kilbourne F98: A/New Caledonia/20/1999 (HA, NA) x A/Puerto Rico/8/1934 (H1N1), Reassortant X-139

Catalog No. NR-3578

Derived from NIAID Catalog No V-331-0E5390

For research use only. Not for human use.

Contributor:

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

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae*, *Influenzavirus A*
Species: Influenza A virus
Reassortant: A/New Caledonia/20/1999 (HA, NA) x A/Puerto Rico/8/1934 (H1N1) (Kilbourne F98; X-139)[1-3]
Parents: A/New Caledonia/20/1999 (H1N1) and X-31 (H3N2)[1]
Comments: X-31 (Kilbourne F108) is A/Aichi/2/1968 x A/Puerto Rico/8/1934 and is available as BEI Resources NR-3483. Influenza virus A/New Caledonia/20/1999 (H1N1)-like viruses were used as the influenza A (H1N1) component of trivalent vaccines worldwide from 2000 to 2007.[1,5]

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with reassortant influenza A virus, A/New Caledonia/20/1999 (HA, NA) x A/Puerto Rico/8/1934 (H1N1).

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

Packaging/Storage:

NR-3578 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: 10- to 11-day-old SPF embryonated chicken eggs
Infection: Embryonated chicken eggs must be candled for viability prior to inoculation
Incubation: 2 days at 35°C in a humidified chamber
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: Kilbourne F98: A/New Caledonia/20/1999 (HA, NA) x A/Puerto Rico/8/1934 (H1N1), Reassortant X-139, NR-3578."

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. http://www.flu-archive.org/data_sheets/F98.doc
2. http://www.flu-archive.org/

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3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Brett, I., J. Weber and E. D. Kilbourne. "Rapid Confirmation by RFLP of Transfer to Vaccine Candidate Reassortant Viruses of the Principal "High Yield" Gene of Influenza A Viruses." J. Virol. Meth. 100 (2002): 133-140. PubMed: 11742660
5. http://www.who.int/influenza/vaccines/vaccinerecommendations1/en/index1.html

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