

Kilbourne F126: A/England/864/1975 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-49

Catalog No. NR-3628

Derived from NIAID Catalog No. V-331-0E5510

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Contributor:

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

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Reassortant: Kilbourne F126: A/England/864/1975 (HA, NA) x A/Puerto Rico/8/1934 (H3N2) (Kilbourne F126; X-49)¹⁻³

Parents: A/England/864/1975 (H3N2) and A/Puerto Rico/8/1934 (H1N1) [The Kilbourne data sheet for F126¹ refers to the parental virus as A/England/864/74, but this appears to be a typographical error.^{4,5}]

Comments: The M, NP, P1, P2 and NS genes of X-49 are known to be derived from A/Puerto Rico/8/1934 (H1N1).⁴

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/England/864/1975 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).

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

Packaging/Storage:

NR-3628 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 F126: A/England/864/1975 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-49, NR-3628."

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/F126.doc
2. <http://www.flu-archive.org/>

3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Baez, M., P. Palese and E. D. Kilbourne. "Gene Composition of High-Yielding Influenza Vaccine Strains Obtained by Recombination." *J. Infect. Dis.* 141 (1980): 362-365. PubMed: 7365284.
5. Ruigrok, R.W., et al. "Characterization of Three Highly Purified Influenza Virus Strains by Electron Microscopy." *J. Gen. Virol.* 65 (1984): 799-802. PubMed: 6561234.

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