

Kilbourne F118: A/Port Chalmers/1/1973 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-41

Catalog No. NR-3575

Derived from NIAID Catalog No. V-331-0E5382

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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/Port Chalmers/1/1973 (HA, NA) x A/Puerto Rico/8/1934 (H3N2) (Kilbourne F118; X-41)¹⁻³

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with reassortant (Kilbourne F118) of influenza A virus, A/Port Chalmers/1/1973 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).

Packaging/Storage:

NR-3575 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: 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 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: Kilbourne F118: A/Port Chalmers/1/1973 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-41, NR-3575."

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. http://www.flu-archive.org/data_sheets/F118.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Baez, M., et al. "Gene Composition of High-Yielding Influenza Vaccine Strains Obtained by Recombination." *J. Infect. Dis.* 141 (1980): 362-365. PubMed: 7365284.
5. Erickson, A. H. and Kilbourne, E. D. "Mutation in the Hemagglutinin of A/N—WS/33 Influenza Virus Recombinants Influencing Sensitivity to Trypsin and Antigenic Reactivity." *Virology* 107 (1980): 320-330. PubMed: 6161475.

6. Kilbourne, E. D., et al. "Immunologic Response to the Influenza Virus Neuraminidase is Influenced by Prior Experience with the Associated Viral Hemagglutinin. I. Studies in Human Vaccinees." J. Immunol. 138 (1987): 3010-3013. PubMed: 3571981.
7. Brett, I., et al. "Rapid Confirmation by RFLP of Transfer to Vaccine Candidate Reassortant Viruses of the Principal 'High Yield' Gene of Influenza A Viruses." J. Virol. Methods 100 (2002): 133-140. PubMed: 11742660.

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