Kilbourne F114: A/England/42/1972 (HA, NA) x A/Puerto Rico/8/1934 (H3N2)

Catalog No. NR-3534

Derived from NIAID Catalog No. V-331-0E5147

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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/England/42/1972 (HA, NA) x A/Puerto Rico/8/1934 (H3N2) (Kilbourne F114; X-37a)[1-3]
Parents: MRC-2 A/England/42/1972 (H3N2) and A/Puerto Rico/8/1934 (H1N1)
Comments: MRC-2 is a recombinant between A/Puerto Rico/8/1934 and A/England/42/1972 with the antigenic composition of the latter.[4,5] X-37a is a re-reassortment reassortant made in the United Kingdom with Kilbourne lab A/Puerto Rico/8/1934.[1,6]

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with (Kilbourne F114) influenza A virus, A/England/42/1972 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).

Packaging/Storage:

NR-3534 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 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 without CO_2
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 F114: A/England/42/1972 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), NR-3534."

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/F114.doc
2. http://www.flu-archive.org/
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Chakraverty, P., et al. "Use of the Single Radial Diffusion Technique for Influenza Antibody Surveys." Bull. World Health Organ. 49 (1973): 327-332.
5. Beare, A. S., et al. "Trials in Man with Live Recombinants Made from A/PR/8/34 (H0 N1) and Wild H3 N2 Influenza Viruses." Lancet 7938 (1975): 729-732. PubMed: 52768.

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6. Brett, I., et al. "Rapid Confirmation by RFLP of Transfer to Vaccine Candidate Reassortment Viruses of the Principal 'High Yield' Gene of Influenza A Viruses." J. Virol. Meth. 100 (2002): 133-140. PubMed: 11742660.

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