

Kilbourne F17: A/Memphis/4/82 (H1N1) Mutant, High (H) Yield

Catalog No. NR-3474

Derived from NIAID Catalog No. V-331-0E4297

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Contributor:

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

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Mutant: A/Memphis/4/82 (H1N1), high (H) yield (Kilbourne F17)¹⁻³

Comments: Influenza virus, A/Memphis/4/82 (H1N1) is a swine virus isolated from a human in 1982, 6 years after the Ft. Dix epidemic of 1976. It is indistinguishable antigenically from the swine viruses of 1976. Also like the swine virus isolates of 1976, it is characterized by the presence of L and H HA forms.

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with the high (H) yield mutant of influenza A virus, A/Memphis/4/82 (H1N1) (Kilbourne F17).

Packaging/Storage:

NR-3474 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

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: Kilbourne F17: A/Memphis/4/82 (H1N1) Mutant, High (H) Yield, NR-3474."

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/F17.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and

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