

Kilbourne F25: A/turkey/Kansas/4880/80 (H1N1) Mutant, Low (L) Yield (Animal Isolate)

Catalog No. NR-3469

Derived from NIAID Catalog No. V-331-0E4149

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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/turkey/Kansas/4880/80 (H1N1) mutant, low (L) yield (animal isolate) (Kilbourne F25)¹⁻³

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with a low (L) yield mutant (Kilbourne F25) of influenza A virus, A/turkey/Kansas/4880/80 (H1N1).

Packaging/Storage:

NR-3469 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 F25: A/turkey/Kansas/4880/80 (H1N1) Mutant, Low (L) Yield (Animal Isolate), NR-3469."

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/bmb15/bmb15toc.htm.

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References:

1. http://www.flu-archive.org/data_sheets/F25.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Kilbourne, E. D., et al. "Hemagglutinin Polymorphism as the Basis for Low- and High-Yield Phenotypes of Swine Influenza Virus." *Proc. Natl. Acad. Sci. U.S.A.* 85 (1988): 7782-7785. PubMed: 3174662.

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