

Kilbourne F11: A/Rockefeller Institute/5/57 (H2N2)**Catalog No. NR-3525**

Derived from NIAID Catalog No. V-331-0E5090

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

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Wild Type Strain: A/Rockefeller Institute/5/57 (H2N2)
(Kilbourne F11).¹⁻³

Comments: This virus was characterized by Choppin and Tamm who identified two distinct variants that differed in their susceptibility to inhibition by normal horse serum inhibitor (NHS) in HI and neutralization tests, and termed them "+" and "-" variants.⁴

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with wild type influenza A virus, A/Rockefeller Institute/5/57 (H2N2).

Packaging/Storage:

NR-3525 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: 1-3 days at 33-35°C in a humidified chamber without CO₂

Effect: Hemagglutination (HA) 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 F11: A/Rockefeller Institute/5/57 (H2N2), NR-3525."

Biosafety Level: 3

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/F11.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Choppin, P. W. and I. Tamm. "Two Kinds of Particles with Contrasting Properties in Influenza A Virus Strains from the 1957 Pandemic." *Virology* 8 (1959): 539-542. PubMed: 13809995.
5. Kilbourne, E. D. and J. S. Murphy. "Genetic Studies of Influenza Viruses. I. Viral Morphology and Growth Capacity as Exchangeable Genetic Traits. Rapid *in ovo* Adaptation of Early Passage Asian Strain Isolates by

Combination with PR8." J. Exp. Med. 111 (1960): 387-406. PubMed: 13755924.

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