Kilbourne F152: A/NWS/34 (HA) x A/Rockefeller Institute/5/57 (NA) (H1N2), Reassortant X-7

Catalog No. NR-3546

Derived from NIAID Catalog No. V-331-0E5218

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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
Reassortant: A/NWS/34 (HA) x A/Rockefeller Institute/5/57 (NA) (H1N2) (Kilbourne F152; X-7)[1-3]
Comments: The electrophoretic properties of the hemagglutinin and neuraminidase glycoproteins of this reassortant on cellulose acetate facilitated and made possible for the first time their clear-cut separation and purification to allow studies of their independent biochemical and antigenic properties.[4]

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with reassortant influenza A virus, A/NWS/34 (HA) x A/Rockefeller Institute/5/57 (NA) (H1N2).

Packaging/Storage:

NR-3546 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 CO_2
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 F152: A/NWS/34 (HA) x A/Rockefeller Institute/5/57 (NA) (H1N2), Reassortant X-7, NR-3546."

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:

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