

Product Information Sheet for NR-3489

Kilbourne F55:

**A/turkey/Massachusetts/3740/1975 (HA) x
A/Philippines/2/1982 (NA) x A/Puerto
Rico/8/1934 (H6N2)**

Catalog No. NR-3489

Derived from NIAID Catalog No. V-331-0E4663

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae*, *Influenzavirus A*

Species: Influenza A virus

Reassortant: A/turkey/Massachusetts/3740/1975 (HA) x
A/Philippines/2/1982 (NA) x A/Puerto Rico/8/1934 (H6N2)
(Kilbourne F55; X-78)¹⁻³

Parents: X-76 (H6N1) and X-79 (H3N2)

Comments: NR-3489 was developed as an N2-specific reagent virus by crossing two previously derived influenza A virus reassortants. The X-76 parent carries the H6 HA gene from A/turkey/Massachusetts/3740/1975 (H6N2) and the N1 NA gene from A/India/6263/1980 (H1N1),^{1,4} while the X-79 parent (Kilbourne F161; BEI Resources NR-3668) is A/Philippines/2/1982 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).⁵ Nucleotide sequencing at BEI Resources of a portion of the matrix (M) gene (RNA 7) from NR-3489 indicates that the M gene is derived from A/Puerto Rico/8/1934 (H1N1). The derivation of the five genes encoding the remaining internal proteins and the nonstructural protein has not been determined genotypically.

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/turkey/Massachusetts/3740/1975 (HA) x A/Philippines/2/1982 (NA) x A/Puerto Rico/8/1934 (H6N2).

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

NR-3489 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°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

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 F55: A/turkey/Massachusetts/3740/1975 (HA) x A/Philippines/2/1982 (NA) x A/Puerto Rico/8/1934 (H6N2), NR-3489."

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. http://www.flu-archive.org/data_sheets/F55.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Gallagher, M., et al. "Isolation of Immunogenic Neuraminidases of Human Influenza Viruses by a Combination of Genetic and Biochemical Procedures." *J. Clin. Microbiol.* 20 (1984): 89 - 93. PubMed: 6205018.
5. http://www.flu-archive.org/data_sheets/F161.doc

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