

**Kilbourne F173:
A/turkey/Massachusetts/3740/1975 (HA) x
A/Leningrad/360/1986 (NA) x A/Puerto
Rico/8/1934 (H6N2), Reassortant X-92**

Catalog No. NR-3530

Derived from NIAID Catalog No. V-331-0E5125

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Contributor:

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

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Reassortant: A/turkey/Massachusetts/3740/1975 (HA) x A/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934 (H6N2) (Kilbourne F173; X-92)¹⁻³

Parents: X-76 (H6N1) and X-91 (H3N2)

Comments: NR-3530 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-91 parent (Kilbourne F172; BEI Resources NR-3513) is A/Leningrad/360/1986 (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-3530 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/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934 (H6N2), Reassortant X-92.

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

Packaging/Storage:

NR-3530 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: 9- 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 F173: A/turkey/Massachusetts/3740/1975 (HA) x A/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934 (H6N2), Reassortant X-92, NR-3530."

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/bmb15/index.htm.

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References:

1. http://www.flu-archive.org/data_sheets/F173.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/F172.doc

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