

Kilbourne F51: A/Texas/1/1977 (HA) x A/Puerto Rico/8/1934 (NA) (H3N1)

Catalog No. NR-3608

Derived from NIAID Catalog No. V-331-0E5486

For research use only. Not for human use.

Contributor:

National Institute 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/Texas/1/1977 (HA, NA) x A/Puerto Rico/8/1934 (H3N2) (Kilbourne F51)¹⁻³

Parents: X-61 (H3N2) and A/Puerto Rico/8/1934 (H1N1)

Comments: NR-3608 is a human HA-specific antigenic hybrid derived by back-cross of X-61 (Kilbourne F148; BEI Resources NR-3633) with the parental A/Puerto Rico/8/1934 (H1N1) virus. X-61 is A/Texas/1/1977 (H3N2) x A/Puerto Rico/8/1934 (H1N1). NR-3608 genome segments 1, 4, and 8 are derived from the A/Texas/1/1977 (H3N2) progenitor and genome segments 2, 3, 5, 6, and 7 are of A/Puerto Rico/8/1934 (H1N1) origin.¹

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/Texas/1/1977 (HA, NA) x A/Puerto Rico/8/1934 (H3N2).

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

Packaging/Storage:

NR-3608 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 F51: A/Texas/1/1977 (HA) x A/Puerto Rico/8/1934

(NA) (H3N1), NR-3608."

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/F51.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and

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