

Kilbourne F79: A/turkey/Massachusetts /3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2), Reassortant X-118a

Catalog No. NR-3552

Derived from NIAID Catalog No. V-331-0E5240

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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/turkey/Massachusetts/3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2) (Kilbourne F79; X-118a)¹⁻³

Comment: X-118a is an antigenic hybrid with an H6 hemagglutinin derived from A/turkey/Massachusetts /3740/75 and an N2 neuraminidase from X-117, a high yield reassortant of A/Beijing/32/92 (H3N2) and A/Puerto Rico/8/34 (H1N1) viruses.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/turkey/Massachusetts/3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2).

Packaging/Storage:

NR-3552 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 to 3 days at 35°C in a humidified chamber without CO₂

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 the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID,

NIH: Kilbourne F79: A/turkey/Massachusetts/3740/75 (HA) x A/Beijing/32/92 (NA) x A/Puerto Rico/8/34 (H6N2), Reassortant X-118a, NR-3552."

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:

1. http://www.flu-archive.org/data_sheets/F79.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Hocart, M., et al. "Preparation and Characterization of a

- Purified Influenza Virus Neuraminidase Vaccine.” Vaccine 13 (1995): 1793-1798. PubMed: 8701595.
5. Kilbourne, E. D., et al. “Purified Influenza A Virus N2 Neuraminidase Vaccine Is Immunogenic and Non-toxic in Humans.” Vaccine 13 (1995): 1799-1803. PubMed: 8701596.
 6. Powers, D. C., E. D. Kilbourne, and B. E. Johansson. “Neuraminidase-specific Antibody Responses to Inactivated Influenza Virus Vaccine in Young and Elderly Adults.” Clin. Diagn. Lab. Immunol. 3 (1996): 511-516. PubMed: 8877127.

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