

Kilbourne F110: A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-33, NA Deficient

Catalog No. NR-3620

Derived from NIAID Catalog No. V-331-0E5502

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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/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2) (Kilbourne F110; X-33)¹⁻³. Please see references 1 to 3 for available information regarding derivation and genotyping.

Comment: This reassortant is an NA-deficient dimorphic variant for comparison to NA-positive reassortant X-32 (BEI Resources NR-3535).^{4,5}

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/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2) (Kilbourne F110; X-33, NA deficient).

Packaging/Storage:

NR-3620 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 33 to 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 F110: A/equine/Prague/1/56 (HA) x A/Aichi/2/68 (NA) x A/Puerto Rico/8/34 (H7N2), Reassortant X-33, NA Deficient, NR-3620."

Biosafety Level: 3

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/bmb15/bmb15toc.htm.

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References:

1. http://www.flu-archive.org/data_sheets/F110.doc
2. <http://www.flu-archive.org/>
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and

4. http://www.flu-archive.org/data_sheets/F109.doc
5. Mowshowitz, S. and E. D. Kilbourne. "Genetic Dimorphism of Neuraminidase in Recombinants of H3N2 Influenza Virus." In: Negative Strand Viruses, Volume 2. Ed. R. D. Barry and B. W. J. Mahy. Academic Press, London, 1975. 765-775.

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