

**Kilbourne F74:  
A/turkey/Massachusetts/3740/75 (HA) x  
A/Beijing/353/89 (NA) x A/Puerto Rico/8/34  
(H6N2), Reassortant X-110\***

**Catalog No. NR-3516**

Derived from NIAID Catalog No. V-331-0E5019

**For research use only. Not for human use.**

**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/353/89 (NA) x A/Puerto Rico/8/34 (H6N2)  
(Kilbourne F74; X-110)<sup>1-3</sup>

\*The following virus strains were part of the derivation of NR-3516:

A/Beijing/353/89 (H3N2)

A/Taiwan/1/86 (H1N1)

A/Aichi/2/68 (H3N2)

A/Puerto Rico/8/34 (H1N1)

A/turkey/Massachusetts/3740/75 (H6N2)

Except for the HA and NA genes, the presence or absence of genes from other strains in NR-3516 has not been determined.

**Material Provided:**

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with reassortant (Kilbourne F74; X-110) of influenza A virus, A/turkey/Massachusetts/3740/75 (HA) x A/Beijing/353/89 (NA) x A/Puerto Rico/8/34 (H6N2).

**Packaging/Storage:**

NR-3516 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 CO<sub>2</sub>

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 F74: A/turkey/Massachusetts/3740/75 (HA) x A/Beijing/353/89 (NA) x A/Puerto Rico/8/34 (H6N2), Reassortant X-110, NR-3516."

**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/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

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**References:**

1. [http://www.flu-archive.org/data\\_sheets/F74.doc](http://www.flu-archive.org/data_sheets/F74.doc)
2. <http://www.flu-archive.org/>
3. [http://www.flu-archive.org/search/results.pl?search\\_string=&join\\_type=and](http://www.flu-archive.org/search/results.pl?search_string=&join_type=and)

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