

# Product Information Sheet for NR-3586

## Kilbourne F87:

**A/turkey/Massachusetts/3740/1975 (HA) x  
A/Johannesburg/33/1994 (NA) x A/Puerto  
Rico/8/1934 (H6N2), Reassortant X-124E**

## Catalog No. NR-3586

Derived from NIAID Catalog No. V-331-0E5429

**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/turkey/Massachusetts/3740/1975 (HA) x  
A/Johannesburg/33/1994 (NA) x A/Puerto Rico/8/1934  
(H6N2) (Kilbourne F87; X-124E)<sup>1-3</sup>

Parents: A/turkey/Massachusetts/3740/1975 (HA) x A/Puerto  
Rico/8/1934 (NA) (H6N1) and A/Johannesburg/33/1994 –  
LP (H3N2)

Comments: NR-3586 is an NA-specific antigenic hybrid  
developed by crossing influenza A/Johannesburg/33/1994  
(H3N2) with a previously derived reassortant that carried  
the H6 HA gene from A/turkey/Massachusetts/3740/1975  
(H6N2) and the N1 NA gene from A/Puerto Rico/8/1934  
(H1N1).<sup>1</sup> Nucleotide sequencing at BEI Resources of a  
portion of the matrix (M) gene (RNA 7) from NR-3586  
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/Johannesburg/33/1994 (NA) x A/Puerto Rico/8/1934  
(H6N2).

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

## Packaging/Storage:

NR-3586 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 F87: A/turkey/Massachusetts/3740/1975 (HA) x  
A/Johannesburg/33/1994 (NA) x A/Puerto Rico/8/1934  
(H6N2), Reassortant X-124E, NR-3586.”

## 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/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

## Disclaimers:

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### References:

1. [http://www.flu-archive.org/data\\_sheets/F87.doc](http://www.flu-archive.org/data_sheets/F87.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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