

Product Information Sheet for NR-3644

Kilbourne F179: A/Shanghai/11/1987 (HA) x A/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-99b

Catalog No. NR-3644

Derived from NIAID Catalog No. V-331-0E5530

For research use only. Not for human use.

Contributor:

National Institutes of Allergy and Infectious Diseases,
National Institutes of Health

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Reassortant: A/Shanghai/11/1987 (HA) x
A/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934
(H3N2) (Kilbourne F179; X-99b)¹⁻³

Parents: A/Shanghai/11/1987 (HA) x A/Puerto Rico/8/1934
(NA) (H3N1) and X-92 (H6N2)

Comments: X-92 (Kilbourne F173) is available as BEI
Resources NR-3530.

The following virus strains were involved in the derivation of
NR-3644:

A/Shanghai/11/1987 (H3N2)
A/Leningrad/360/1986 (H3N2)
A/Puerto Rico/8/1934 (H1N1)
A/turkey/Massachusetts/3740/1975 (H6N2)
A/India/6263/1980 (H1N1)

Sequencing at BEI Resources of a portion of the matrix (M)
gene (RNA 7) from NR-3644 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 has
not been determined.

This reassortant was made to circumvent NA drift by
endowing it with the NA of the prevalent
A/Leningrad/360/1986 virus.

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/Shanghai/11/1987 (HA) x A/Leningrad/360/1986 (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-3644 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: 10- 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 F179: A/Shanghai/11/1987 (HA) x
A/Leningrad/360/1986 (NA) x A/Puerto Rico/8/1934 (H3N2),
Reassortant X-99b, NR-3644."

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/F179.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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