# Product Information Sheet for NR-3495

## Kilbourne F69: A/Beijing/4/1989 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-101

## Catalog No. NR-3495

Derived from NIAID Catalog No. V-331-0E4766

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

### Contributor:

National Institute 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/Beijing/4/1989 (HA, NA) x A/Puerto Rico/8/1934 (H3N2) (Kilbourne F69; X-101)[1-3]

### 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/Beijing/4/1989 (HA, 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-3495 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 F69: A/Beijing/4/1989 (HA, NA) x A/Puerto Rico/8/1934 (H3N2), Reassortant X-101, NR-3495."

### 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.

### Disclaimers:

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### References:

1. http://www.flu-archive.org/data_sheets/F69.doc
2. http://www.flu-archive.org/
3. http://www.flu-archive.org/search/results.pl?search_string=&join_type=and
4. Kilbourne, E. D., et al. "Influenza A Virus Haemagglutinin Polymorphism: Pleiotropic Antigenic Variants of A/Shanghai/11/87 (H3N2) Virus Selected as High Yield

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Reassortants." J. Gen. Virol. 74 (1993): 1311-1316. PubMed: 8336120.

5. Xu, X., et al. "Nonimmunoselected Intrastrain Genetic Variation Detected in Pairs of High-Yielding Influenza A (H3N2) Vaccine and Parental Viruses." J. Infect. Dis. 170 (1994): 1432-1438. PubMed: 7995982.



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