

Kilbourne F3: A/duck/Singapore/645/97 (H5N3) Mutant, High (Hy) Yield

Catalog No. NR-3599

Derived from NIAID Catalog No. V-331-0E5469

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Contributor:

National Institutes 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

Mutant: A/duck/Singapore/645/97 (H5N3), high (Hy) yield mutant (Kilbourne F3)¹⁻³.

Comments: This mutant produces large plaques in MDCK cells and multiplies to high titer in chick embryos.

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific pathogen free (SPF) embryonated chicken eggs infected with a high yield mutant of influenza A virus, A/duck/Singapore/645/97 (H5N3).

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

Packaging/Storage:

NR-3599 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 the BEI Resources, NIAID, NIH: Kilbourne F3: A/duck/Singapore/645/97 (H5N3) Mutant, High (Hy) Yield, NR-3599."

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, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

To comply with APHIS permit driven containment requirements, all studies with this virus must be conducted in a BSL-3 facility.

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References:

1. <https://www.beiresources.org/Portals/2/Flu-archiveDocs/F3.doc>
2. <https://www.beiresources.org/Flu-archive.aspx>
3. <https://www.beiresources.org/Catalog/animalViruses/NR-3599.aspx#>

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