

**Kilbourne F23:
A/swine/Wisconsin/56/1976 (H1N1)
Mutant, Low (L) Yield, Animal Isolate**

Catalog No. NR-3594

Derived from NIAID Catalog No. V-331-0E5440

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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

Mutant: A/swine/Wisconsin/56/1976 (H1N1), Low (L) Yield
(Kilbourne F23)¹⁻³

Comments: The parental virus was isolated from a natural infection of swine in the spring of the swine flu epidemic at Fort Dix, New Jersey, in 1976. Low- (L) and high-yield (H) HA mutants were recovered from this porcine virus.

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic fluid from specific-pathogen free (SPF) embryonated chicken eggs infected with a low (L) yield mutant of influenza A virus, A/swine/Wisconsin/56/1976 (H1N1).

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

Packaging/Storage:

NR-3594 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 F23: A/swine/Wisconsin/56/1976 (H1N1) Mutant, Low (L) Yield, Animal Isolate, NR-3594."

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.

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References:

1. <https://www.beiresources.org/Portals/2/Flu-archiveDocs/F23.doc>
2. <https://www.beiresources.org/Flu-archive.aspx>
3. <https://www.beiresources.org/FluVirusCatalog.aspx>

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