

**Kilbourne F20:
A/swine/Nevada/101/1982 (H1N1)
Mutant, Low (L) Yield, Animal Isolate**

Catalog No. NR-3677

Derived from NIAID Catalog No. V-331-0E5565

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

Mutant: A/swine/Nevada/101/1982 (H1N1), Low (L) Yield
(Kilbourne F20)¹⁻³

Comments: Together with Kilbourne F19 (BEI Resources
NR-3465), this low yield HA mutant is another example of
the post-1976 presence of low- (L) and high-yield (H)
mutants in swine and human H1N1 influenza isolates.

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/Nevada/101/1982 (H1N1).

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

Packaging/Storage:

NR-3677 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 F20: A/swine/Nevada/101/1982 (H1N1) Mutant,
Low (L) Yield, Animal Isolate, NR-3677."

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/
F20.doc](https://www.beiresources.org/Portals/2/Flu-archiveDocs/F20.doc)
2. <https://www.beiresources.org/Flu-archive.aspx>
3. <https://www.beiresources.org/FluVirusCatalog.aspx>

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