

**Influenza A Virus,
A/Puerto Rico/8-9NMC2/1934 (H1N1)**

Catalog No. NR-29024

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain: A/Puerto Rico/8-9NMC2/1934 (H1N1); deposited as
A/Puerto Rico/8-34-9NMC2/2010 (H1N1)

Original Source: Influenza A virus, A/Puerto
Rico/8-9NMC2/1934 (H1N1) was isolated from lung tissue
after nine passages of a mouse-adapted strain of influenza
A virus, A/Puerto Rico/8/1934 (H1N1) in immunologically
naïve outbred Swiss mice.¹ The parental virus stock was
produced in Madin-Darby canine kidney (MDCK) cells
using reverse genetics. Serial passage was initiated by
direct intranasal infection with MDCK supernatant. Lungs
were homogenized two days after infection and the
homogenates used to infect the next group of mice. No
mutations were detected in the hemagglutinin gene
following serial passage in naïve mice.

Comments: Sequence information is available for influenza
A virus, A/Puerto Rico/8-9NMC2/1934 (H1N1) at the
[Influenza Research Database](#). This virus was originally
deposited to BEI Resources as influenza A virus, A/Puerto
Rico/8-34-9NMC2/2010 (H1N1), but subsequently named
A/Puerto Rico/8-9NMC2/1934 (H1N1) by the NIAID
Influenza Genome Sequencing Consortium. **Please note
that the depositor's original nomenclature was used on the
product label.**

Material Provided:

Each vial contains approximately 1 mL of pooled allantoic
fluid from specific pathogen free (SPF) embryonated chicken
eggs infected with influenza A virus, A/Puerto
Rico/8-9NMC2/1934 (H1N1).

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

Packaging/Storage:

NR-29024 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 without
CO₂

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:
Influenza A Virus, A/Puerto Rico/8-9NMC2/1934 (H1N1), NR-
29024."

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
<http://www.cdc.gov/biosafety/publications/bmb15/BMBL.pdf>.

Disclaimers:

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References:

1. Hensley, S. E., et al. "Hemagglutinin Receptor Binding Avidity Drives Influenza A Virus Antigenic Drift." Science 326 (2009): 734-736. PubMed: 19900932.

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