

Influenza A Virus, A/Puerto Rico/8-WG/1934 (H1N1)

Catalog No. NR-29029

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae*, *Influenzavirus A*

Species: Influenza A virus

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

Original Source: Influenza A virus, A/Puerto Rico/8-WG/1934 (H1N1) is derived from plaque-cloned wild type A/Puerto Rico/8/1934 (H1N1) that was originally obtained by the contributor from Walter Gerhard.¹ Influenza A virus A/Puerto Rico/8-WG/1934 (H1N1) is representative of the parental virus used for the generation of a panel of monoclonal antibody escape mutants.^{2,3}

Comments: Sequence information is available for influenza A virus, A/Puerto Rico/8-WG/1934 (H1N1) at the [Bacterial and Viral Bioinformatics Resource Center](#). This virus was originally deposited to BEI Resources as influenza A virus, A/Puerto Rico/8-34-WG/2010 (H1N1), but subsequently named A/Puerto Rico/8-WG/1934 (H1N1) by the NIAID Influenza Genome Sequencing Consortium. **Please note that the depositor's original nomenclature was used on lot 61502907 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-WG/1934 (H1N1).

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

Packaging/Storage:

NR-29029 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 to confirm viability prior to inoculation

Incubation: 2 days at 35°C in a humidified chamber

Effect: Hemagglutination activity using allantoic fluid from infected embryonated chicken eggs and chicken red blood cells

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Puerto Rico/8-WG/1934 (H1N1), NR-29029."

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*. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References

1. Yewdell, J. W., Personal Communication.
2. Caton, A. J., et al. "The Antigenic Structure of the Influenza Virus A/PR/8/34 Hemagglutinin (H1 Subtype)." Cell 31 (1982): 417-427. PubMed: 6186384.
3. 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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