

Influenza A Virus, A/Puerto Rico/8/1934– Mouse Adapted (H1N1) (clone)

Catalog No. NR-28652

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/8/1934–mouse adapted (H1N1), also A/Puerto Rico/8-1-MA/1934 (H1N1)

Original Source: Influenza A virus, A/Puerto Rico/8/1934 (H1N1) was isolated from a human in Puerto Rico in 1934.

Comments: Sequence information is available for influenza A virus, A/Puerto Rico/8-1-MA/1934 (H1N1) at the [Influenza Research Database](#). Influenza A virus, A/Puerto Rico/8/1934 (H1N1) was cloned by limiting dilution at the Laboratory Center for Disease Control, Health Canada, Ottawa, and passaged twice in eggs. The cloned virus (available as BEI Resources NR-28651) was then passaged twelve times in mouse lung. A clonal isolate was obtained by two plaque purifications in MDCK cells and subsequently passaged twice in specific pathogen free embryonated chicken eggs before deposit to BEI Resources. **Note that although NR-28652 was deposited to BEI Resources as A/Puerto Rico/8/1934–mouse adapted (H1N1), nucleotide sequence obtained from the same source material by the NIAID Influenza Genome Sequencing Consortium was deposited to NCBI and IRD as A/Puerto Rico/8-1-MA/1934 (H1N1).**

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/8/1934–mouse adapted (H1N1).

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

Packaging/Storage:

NR-28652 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

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/8/1934–Mouse Adapted (H1N1) (clone), NR-28652.”

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/bmb15/index.htm.

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