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

Catalog No. NR-29022

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-MC/1934 (H1N1)
Original Source: Influenza A virus, A/Puerto Rico/8-MC/1934 (H1N1) is a mouse-adapted strain of influenza A virus, A/Puerto Rico/8/1934 (H1N1) that was produced in Madin-Darby canine kidney (MDCK) cells using reverse genetics.1,2 This strain is the progenitor of the antigenic drift variants described by Hensley, et al.2 The MDCK cell-grown virus was passaged once in embryonated chicken eggs prior to deposit to BEI Resources.

Comments: Sequence information is available for influenza A virus, A/Puerto Rico/8-MC/1934 (H1N1) at the Influenza Research Database. This virus was originally deposited to BEI Resources as influenza A virus, A/Puerto Rico/8-34-MC/2010 (H1N1), but subsequently named A/Puerto Rico/8-MC/1934 (H1N1) by the NIAID Influenza Genome Sequencing Consortium.

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-MC/1934 (H1N1).

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

Packaging/Storage:
NR-29022 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-MC/1934 (H1N1), NR-29022."

Biosafety Level: 2

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References:

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