

**Influenza A Virus, A/Melbourne/1/1946–
Mouse Adapted (H1N1) (clone)**

Catalog No. NR-28646

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/Melbourne/1/1946–mouse adapted (H1N1), also A/Melbourne/1-MA/1946 (H1N1)

Original Source: Influenza A virus, A/Melbourne/1/1946–mouse adapted (H1N1) was derived from a virus isolated from a human in Melbourne, Australia in 1946.

Comments: Sequence information is available for influenza A virus, A/Melbourne/1-MA/1946 (H1N1) at the [Influenza Research Database](#). Influenza A virus, A/Melbourne/1/1946 (H1N1) was cloned by limiting dilution at the Laboratory Center for Disease Control, Health Canada, Ottawa, and passaged twice in eggs. The cloned virus was then passaged twelve times in mouse lung, twice in Madin-Darby canine kidney (MDCK) cells, and twice in eggs before deposit to BEI Resources. **Note that although NR-28646 was deposited to BEI Resources as A/Melbourne/1/1946–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/Melbourne/1-MA/1946 (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/Melbourne/1/1946–mouse adapted (H1N1).

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

Packaging/Storage:

NR-28646 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 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/Melbourne/1/1946–Mouse Adapted (H1N1) (clone), NR-28646.”

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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