

Influenza A Virus, A/Wilson-Smith/1933– Mouse Adapted (H1N1) (clone)

Catalog No. NR-28664

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/Wilson-Smith/1933–mouse adapted (H1N1), also
A/United Kingdom/1-MA/1933 (H1N1)

Original Source: Influenza A virus, A/Wilson-Smith/1933
(H1N1) was isolated from a human in the United Kingdom
on April 16, 1933.

Comments: Sequence information is available for influenza
A virus, A/United Kingdom/1-MA/1933 (H1N1) at the
[Influenza Research Database](#). Influenza A virus,
A/Wilson-Smith/1933 (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-28663) 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-28664 was
deposited to BEI Resources as A/Wilson-Smith/1933–
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/United Kingdom/1-MA/1933 (H1N1). This
simply reflects a renaming of the original Wilson-Smith
isolate using the modern standard nomenclature for
influenza strains, specifying the geographical location of
isolation and a sequential isolate number, with the addition
of the MA notation to indicate adaptation to the murine
host.**

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/Wilson-Smith/1933–
mouse adapted (H1N1).

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

Packaging/Storage:

NR-28664 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/Wilson-Smith/1933–Mouse Adapted
(H1N1) (clone), NR-28664.”

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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