Influenza A Virus, A/Japan/305/57 (H2N2)

Catalog No. NR-347
(Derived from ATCC® VR-100™)

For research use only. Not for human use.

Contributor:
ATCC®

Product Description:

Virus Classification: Orthomyxoviridae, Influenzavirus A
Agent: Influenza A virus
Strain/Isolate: A/Japan/305/57 (H2N2)
Original Source: Patient (American Military Personnel) in
Japan, 1957
Comments: Influenza A virus, A/Japan/305/57 (H2N2) was
deposited at ATCC® in 1957 by Major Edward L. Buescher,
Chief, Department of Virus Diseases, Walter Reed Army
Institute of Research, Washington, DC.

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/Japan/305/57 (H2N2).

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

Packaging/Storage:

NR-347 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: 10-day-old SPF embryonated chicken eggs
Infection: Embryonated chicken eggs must be candled for
viability prior to inoculation
Incubation: 1–3 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 the NIH Biodefense and
Emerging Infections Research Resources Repository, NIAID,
NIH: Influenza A Virus, A/Japan/305/57 (H2N2), NR-347.”

Biosafety Level: 3

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.

Disclaimers:

You are authorized to use this product for research use only.
It is not intended for human use.

Use of this product is subject to the terms and conditions of
the BEI Resources Material Transfer Agreement (MTA). The
MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include
accurate and up-to-date information on this product sheet,
neither ATCC® nor the U.S. Government make any
warranties or representations as to its accuracy. Citations
from scientific literature and patents are provided for
informational purposes only. Neither ATCC® nor the U.S.
Government warrants that such information has been
confirmed to be accurate.

This product is sent with the condition that you are
responsible for its safe storage, handling, use and disposal.
ATCC® and the U.S. Government are not liable for any
damages or injuries arising from receipt and/or use of this
product. While reasonable effort is made to ensure
authenticity and reliability of materials on deposit, the U.S.
Government, ATCC®, their suppliers and contributors to BEI
Resources are not liable for damages arising from the
misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-
commercial purposes only. This material, its product or its
derivatives may not be distributed to third parties. Except as
performed under a U.S. Government contract, individuals
contemplating commercial use of the material, its products or
its derivatives must contact the contributor to determine if a
license is required. U.S. Government contractors may need
a license before first commercial sale.

References:

Panama Canal Zone: Isolation of a Virus Variant and
Protective Effect of a Vaccine Containing
3. Naeve, C. W. and D. Williams. “Fatty Acids on the
A/Japan/305/57 Influenza Virus Hemagglutinin Have a
Role in Membrane Fusion.” EMBO J. 9 (1990): 3857–

ATCC® is a trademark of the American Type Culture
Collection.