

Influenza A Virus, A/Baltimore/JH-22377/2022 (H1N1)

Catalog No. NR-59465

For research use only. Not for use in humans.

Contributor:

Dr. Andrew S. Pekosz, Ph.D., Professor of Molecular Microbiology and Immunology, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland, USA

Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Baltimore/JH-22377/2022

Clade: A5a.2a¹

Original Source: Influenza A virus, A/Baltimore/JH-22377/2022 was isolated from a human in 2022 in Maryland, USA.¹

Material Provided:

Each vial contains approximately 1.0 mL of clarified cell lysate and supernatant from Madin-Darby canine kidney SIAT1 (MDCK-SIAT1; Sigma 05071502-1VL) cells infected with influenza A virus, A/Baltimore/JH-22377/2022.

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

Packaging/Storage:

NR-59465 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: MDCK-SIAT1 cells (Sigma)

Growth Medium: Dulbecco's Modified Eagle Medium supplemented with 0.3% BSA and 5 ug/mL N-acetyl trypsin, or equivalent

Infection: Cells should be 80% to 100% confluent

Incubation: 3 to 4 days at 33°C and 5% CO₂

Cytopathic Effect: Cell rounding and sloughing

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Baltimore/JH-22377/2022 (H1N1) NR-59465."

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 \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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 makes 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:

1. Pekosz, A. S., Personal Communication.

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

