

Product Information Sheet for NR-2764

Genomic RNA from Influenza A Virus, A/WS/1933 (H1N1) (Tissue Culture Adapted)

Catalog No. NR-2764

For research use only. Not for use in humans.

Contributor:

ATCC®

Manufacturer:

BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from Madin-Darby canine kidney cells (MDCK; ATCC® CCL-34) infected with influenza A virus, A/WS/1933 (H1N1) (tissue culture adapted). Influenza A virus, A/WS/1933 (H1N1) (tissue culture adapted) was derived through tissue culture adaptation of ATCC® 825™, which was isolated in 1933 from throat washings of a patient in Australia with influenza.¹ Influenza A virus, A/WS/1933 (H1N1) is the first human isolate of influenza virus and considered to have descended from the strain responsible for the 1918 pandemic.² The complete genomic sequence of influenza A/WS/1933 (H1N1) has been submitted (GenBank: CY009604 to CY009611).³ Sequence information is available for influenza A virus, A/WS/1933 (H1N1) at the Influenza Research Database.

NR-2764 has been qualified for PCR applications by amplification of an approximately 1000 base pairs of the matrix gene. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-2764 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic RNA from Influenza A Virus, A/WS/1933 (H1N1) (Tissue Culture Adapted), NR-2764."

Biosafety Level: 1

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. <u>Biosafety in Microbiological and Biomedical Laboratories</u>. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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:

- Smith, W., C. H. Andrewes, and P. P. Laidlaw. "A Virus Obtained from Influenza Patients." <u>Lancet</u> 2 (1933): 66– 68.
- Zambon, M. C. "The Pathogenesis of Influenza in Humans." <u>Rev. Med. Virol.</u> 11 (2001): 227–241. PubMed: 11479929.
- 3. Ghedin, E., et al. "The NIAID Influenza Genome Sequencing Project." Direct submission (2006)

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

BEI Resources www.beiresources.org E-mail: contact@beiresources.org
Tel: 800-359-7370

Fax: 703-365-2898