

Influenza A Virus, A/Macha/O1453/2021 (H1N1)

Catalog No. NR-59464

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Virus Classification: *Orthomyxoviridae, Influenzavirus A*

Species: Influenza A virus

Strain/Isolate: A/Macha/O1453/2021

Clade: A5a¹

Original Source: Influenza A virus, A/Macha/O1453/2021 was isolated from a human in 2021 in Zambia.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/Macha/O1453/2021.

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

Packaging/Storage:

NR-59464 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 µg/mL N-acetyl trypsin, or equivalent

Infection: Cells should be 80% to 100% confluent

Incubation: 3 to 5 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/Macha/O1453/2021 (H1N1), NR-59464."

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.

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References:

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

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