

**Influenza A Virus, A/Macha/O1237/2021 (H3N2)**

**Catalog No. NR-59461**

**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/O1237/2021

Clade: 3C.2a1b.1a<sup>1</sup>

Original Source: Influenza A virus, A/Macha/O1237/2021 (H3N2) was isolated from a human in Zambia in 2021.<sup>1</sup>

**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/O1237/2021.

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

**Packaging/Storage:**

NR-59461 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 5 days at 33°C and 5% CO<sub>2</sub>

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/O1237/2021 (H3N2), NR-59461."

**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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