Influenza A Virus, A/Georgia/M5081/2012 (H1N1)

Catalog No. NR-42939

For research use only. Not for use in humans.

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Manufacturer: BEI Resources

Product Description:

Virus Classification: Orthomyxoviridae, Influenzavirus A
Species: Influenza A virus
Strain: A/Georgia/M5081/2012 (H1N1)
Original Source: Influenza A virus, A/Georgia/M5081/2012 (H1N1) was isolated from a human in Atlanta, Georgia, USA on February 1, 2012.1

Comments: Sequence information is available for influenza A virus, A/Georgia/M5081/2012 (H1N1) at the Bacterial and Viral Bioinformatics Resource Center.

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Madin-Darby Canine Kidney (MDCK) cells (ATCC® CCL-34™) infected with influenza A virus, A/Georgia/M5081/2012 (H1N1).

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

Packaging/Storage:
NR-42939 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 cells (ATCC® CCL-34™)
Growth Medium: Eagle’s Minimal Essential Medium containing Earle’s Balanced Salt Solution, 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg per mL sodium bicarbonate, supplemented with 0.225% bovine serum albumin and 2.0 μg per mL L-1-tosylamido-2-phenylethyl chloromethyl ketone (TPCK)-treated trypsin
Infection: Cells should be 100% confluent
Incubation: 3 to 7 days at 33°C and 5% CO2
Cytopathic Effect: Cell sloughing and rounding

Citation: Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Influenza A Virus, A/Georgia/M5081/2012 (H1N1), NR-42939.”

Biosafety Level: 2

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References:

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