

Plasmid Containing H7 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Netherlands/12/2000 (H7N3)

Catalog No. NR-28999

This reagent is the tangible property of the U.S. Government.

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

The H7 hemagglutinin (HA) gene from influenza A virus, A/mallard/Netherlands/12/2000 (H7N3) (GenBank: [AY338460](#)) was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The resulting plasmid, NR-28999, may be used to rescue recombinant viruses with reverse genetics techniques or to express the HA protein by transfection.^{1,2} The plasmid was produced in *Escherichia coli* and extracted.

Material Provided:

Each vial contains approximately 100 µL of plasmid DNA in TE buffer (10 mM Tris-HCl and 0.5 mM EDTA, pH 8.0). Each vial of lot 60692803 contains approximately 100 µL of plasmid DNA in TE buffer (pH 7.0). The DNA concentration and volume provided are shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-28999 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Plasmid Containing H7 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Netherlands/12/2000 (H7N3), NR-28999."

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. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Keawcharoen, J., et al. "Repository of Eurasian Influenza A Virus Hemagglutinin and Neuraminidase Reverse Genetics Vectors and Recombinant Viruses." *Vaccine* 28 (2010): 5803-5809. PubMed: 20600474.
2. Hoffman, E., et al. "A DNA Transfection System for Generation of Influenza A Virus from Eight Plasmids." *Proc. Natl. Acad. Sci. USA* 97 (2000): 6108-6113. PubMed: 10801978.

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