

**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.

**Product Description:**

The H7 hemagglutinin (HA) gene from influenza A virus, A/mallard/Netherlands/12/2000 (H7N3) was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. NR-28999 was extracted from a preparation of BEI Resources seed lot 60692806, produced in *Escherichia coli* Stbl2™ cells (Invitrogen™ 10268) in the presence of 100 µg/mL ampicillin and extracted using Plasmid Plus Maxi Kit (QIAGEN® 12963).

**Lot: 70063484**

**Manufacturing Date: 15SEP2023**

TEST	SPECIFICATIONS	RESULTS
<b>Confirmation of Insert by Restriction Enzyme Digestion</b> Digestion with <i>SacI</i> <sup>1</sup>	~ 2.1 kb; ~ 2.5 kb	~ 2.1 kb; ~ 2.5 kb
<b>Genotypic Analysis</b> Sequencing of H7N3 Hemagglutinin gene insert (1732 base pairs)	≥ 99% sequence identity to A/mallard/Netherlands/12/2000 (H7N3) (GenBank: AY338460.1)	100% sequence identity to A/mallard/Netherlands/12/2000 (H7N3) (GenBank: AY338460.1)
<b>Concentration by Qubit® Measurement</b>	≥ 2 µg/mL	1.04 µg in 100 µL/vial (10 µg/mL)
<b>Amount per Vial</b>	Report results	1.04 µg/vial
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio (pre vial)</b>	1.7 to 2.1	2.0
<b>Effective Bacterial Transformation</b> Invitrogen™ MAX Efficiency™ Stbl2™ <i>E. coli</i>	≥ 50 colonies/ng	100 colonies/ng

<sup>1</sup>*SacI* (New England BioLabs, Inc. R31565)

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15 JAN 2024

Technical Manager or designee, ATCC Federal Solutions

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