

**Plasmid Containing H10 Hemagglutinin (HA) Gene from Influenza A Virus, A/mallard/Sweden/51/2002 (H10N2)**

**Catalog No. NR-29002**

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**Product Description:** The H10 hemagglutinin (HA) gene from influenza A virus, A/mallard/Sweden/51/2002 (H10N2), was cloned into a modified version of the bidirectional reverse genetics plasmid, pHW2000. The plasmid was produced in *Escherichia coli* and extracted.<sup>1</sup>

**Lot<sup>1</sup>: 64004709**

**Manufacturing Date: 10FEB2016**

TEST	SPECIFICATIONS	RESULTS
<b>Confirmation of Insert by Restriction Enzyme Digestion</b> Digestion with <i>SacI</i> <sup>2</sup>	~ 2.1 kb (insert) <sup>3</sup> ; ~ 2.6 kb (vector)	~ 2.1 kb (0.6 kb and 1.5 kb) <sup>3</sup> ; ~ 2.6 kb
<b>Sequencing of H10 Hemagglutinin Coding Region</b>	Consistent with A/mallard/Sweden/51/2002 (H10N2)	99% identity with A/mallard/Sweden/51/2002 (H10N2) (GenBank: HM136575)
<b>PicoGreen<sup>®</sup> Measurement</b> DNA content DNA concentration	Report results Report results	60 ng per vial 0.6 ng per µL
<b>Effective Bacterial Transformation</b>	≥ 100 colonies per ng	≥ 100 colonies per ng

<sup>1</sup>Produced in *Escherichia coli* Stbl2™ cells (Invitrogen™ 10268) and extracted using Plasmid Plus Maxi Kit (QIAGEN® 12963)

<sup>2</sup>*SacI-HF*<sup>®</sup> (New England BioLabs, Inc. R3156S)

<sup>3</sup>The insert contains a *SacI* restriction site and is present as two segments of ~0.6 kb and ~1.5 kb.

**Date:** 05 APR 2016

**Signature:** 

BEI Resources Authentication

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