

**Plasmid Containing H11 Hemagglutinin (HA) Gene from Influenza A Virus, A/shoveler/Netherlands/18/1999 (H11N9)**

**Catalog No. NR-29003**

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

**Product Description:** The H11 hemagglutinin (HA) gene from influenza A virus, A/shoveler/Netherlands/18/1999 (H11N9), 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>: 61056465**

**Manufacturing Date: 29JUN2012**

TEST	SPECIFICATIONS	RESULTS
<b>Confirmation of Insert by Restriction Enzyme Digestion</b> Digestion with <i>SacI</i> <sup>2</sup>	~ 2.1 kb (insert); ~ 2.6 kb (vector)	~ 2.1 kb; ~ 2.6 kb
<b>Sequencing of H11 Hemagglutinin Coding Region</b>	Consistent with A/shoveler/Netherlands/18/1999 (H11N9)	100% identity with A/shoveler/Netherlands/18/1999 (H11N9) (GenBank: CY060417)
<b>PicoGreen<sup>®</sup> Measurement</b> DNA content DNA concentration	Report results Report results	30 ng per vial 0.3 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 an EndoFree<sup>®</sup> Plasmid Maxi Kit (QIAGEN<sup>®</sup> 12362)

<sup>2</sup>*SacI* (New England BioLabs, Inc. R0156M)

**Date:** 12 NOV 2012

**Signature:**



**Title:**

Technical Manager, BEI Authentication or designee

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