

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.¹

Lot¹: 61056464

Manufacturing Date: 05DEC2012

TEST	SPECIFICATIONS	RESULTS
Confirmation of Insert by Restriction Enzyme Digestion Digestion with <i>SacI</i> ²	~ 2.2 kb (insert) ³ ; ~ 2.6 kb (vector)	~ 2.2 kb (0.6 kb and 1.6 kb) ³ ; ~ 2.6 kb
Sequencing of H10 Hemagglutinin Coding Region	Consistent with A/mallard/Sweden/51/2002 (H10N2)	99% identity with A/mallard/Sweden/51/2002 (H10N2) (GenBank: HM136575)
PicoGreen[®] Measurement DNA content DNA concentration	Report results Report results	43 ng per vial 0.43 ng per µL
Effective Bacterial Transformation	≥ 100 colonies per ng	≥ 100 colonies per ng

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

²*SacI* (New England BioLabs, Inc. R0156M)

³The insert contains a *SacI* restriction site and is present as two segments of ~0.6 kb and ~1.6 kb.

Date: 14 JUN 2013

Signature: 

Title: Technical Manager, BEI Authentication or designee

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