

**Synfluenza (Synthetic Influenza) Clone Set, Recombinant in *Escherichia coli*, Plate 7 (Hemagglutinin)**

**Catalog No. NR-45096**

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

**Product Description:** Each synthetic hemagglutinin (HA) gene from NR-45096 was manufactured from seven individually-designed, double-stranded DNA construct cassettes produced by assembly of eight chemically-synthesized oligonucleotides using the Gibson Assembly™ process. The seven cassettes were combined into the pSMART®-LCKan vector (Lucigen®) to establish gene segment clones in One Shot® TOP10 competent (Invitrogen™) *Escherichia coli* (*E. coli*) cells.

**Lot<sup>1</sup>: 62123436**

**Manufacturing Date: 26SEP2013**

TEST	SPECIFICATIONS	RESULTS
Presence of HA Insert Sequence <sup>2</sup>	Confirmed	Confirmed
Viability	Report results	Growth confirmed

<sup>1</sup>All quality control results were provided by J. Craig Venter Institute.

<sup>2</sup>All clones are reported to contain full length inserts

**Date:** 18 FEB 2014

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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