SUPPORTING INFECTIOUS DISEASE RESEARCH

H1 Hemagglutinin (HA) Protein with C-Terminal Histidine Tag from Influenza Virus, A/California/07/2009 (H1N1)pdm09, Recombinant from Baculovirus

Catalog No. NR-42635

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

Product Description: A recombinant form of the H1 hemagglutinin (HA) protein from influenza virus, A/California/07/2009 (H1N1)pdm09 was produced by baculovirus infection of *Trichoplusia ni* insect larvae and purified by standard chromatographic methods.

Lot: 61459956

Manufacturing Date: 11JAN2013

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue Densitometry)	HA bands account for > 90% of total density	HA bands account for > 99% of total density (Figure 1)
Concentration by Bicinchoninic Acid Protein Assay	Report results	1.0 mg per mL
Final Product Quantity per vial	0.1 mg (± 10%) per vial	0.1 mg per vial
Western Blot Monoclonal anti-histidine tag ¹	Report results	Reactive with HA0 and HA2 (Figure 2)
Demonstration of Protein Glycosylation	Size reduction of protein observed on SDS-PAGE when treated with de- glycosylating enzyme N-glycosidase (PNGaseF)	Size reduction of protein observed on SDS-PAGE when treated with PNGaseF (Figure 3)
Filtration	0.22 µm filtered	0.22 µm filtered
Bioburden	Report results	< 1 colony-forming unit per mL
Endotoxin Content	Report results	< 0.05 EU per mL

¹Novagen[®] 70796-4

Date: 04 APR 2013

Signature: Dorothy C. Young

Title: Technical Manager, BEI Authentication or designee

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Certificate of Analysis for NR-42635

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Figure 1 – SDS-PAGE





