

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Vietnam/1203/2004 (H5N1), Recombinant from baculovirus

Catalog No. NR-660

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Product Description: Recombinant H5 hemagglutinin (HA) protein from influenza virus A/Vietnam/1203/2004 (H5N1) was produced in Sf9 insect cells using a baculovirus expression vector system¹ and was purified using conventional chromatographic techniques.

Lot: 59137402

Manufacturing Date: JAN2010

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue Densitometer Scan)	Report results	HA bands (HA0, HA1, HA2) account for > 90% of total density
Concentration by Bicinchoninic Acid Protein Assay²	Report results	860 µg per mL (JAN2010)
Functional Activity Hemagglutination titer using 0.5% chicken red blood cells	Report results	1:20480
Hemagglutination inhibition (HI) assay ³ using polyclonal antiserum to 16 HA subtypes	Specific to H5 HA subtype	Specific to H5 HA subtype
HI titers ³ using polyclonal antiserum to H5 HA subtype A/Hong Kong/156/1997 (H5N1) and A/Hong Kong/483/1997 sheep antiserum ⁴	Report results	1:256
A/Vietnam/1203/2004 (H5N1) goat antiserum ⁵	Report results	1:320
A/Vietnam/1203/2004 (H5N1) and A/Hong Kong/213/2003 (H5N1) goat antiserum ⁶	Report results	1:1280
A/BHG/Qinghai/1A/2005 (H5N1) goat antiserum ⁷	Report results	1:160
HI titers ³ using monoclonal antibody to H5 HA subtype A/Vietnam/1203/2004 (H5N1) antibody (VN04-8) ⁸	Report results	1:6400
A/Vietnam/1203/2004 (H5N1) antibody (VN04-13) ⁹	Report results	1:3200
A/Vietnam/1203/2004 (H5N1) antibody (VN04-16) ¹⁰	Report results	1:3200
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized
Bacterial Contamination	Report results	Negative
Endotoxin Content (Limulus Amoebocyte Lysate assay)	Report results	< 20 EU per mL

¹U.S. Patent Numbers 5,762,939 and 6,103,526.

²Pierce Biotechnology, Inc.

³Serum samples were incubated overnight with receptor-destroying enzyme and heated for 30 minutes at 56°C.

⁴BEI Resources NR-665

⁵BEI Resources NR-2705

⁶BEI Resources NR-2706

⁷BEI Resources NR-14818

⁸BEI Resources NR-2731

⁹BEI Resources NR-2740

¹⁰BEI Resources NR-2743

Certificate of Analysis for NR-660

Date: 30 APR 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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