

H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Hong Kong/156/1997 (H5N1), Recombinant from baculovirus

Catalog No. NR-652

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Product Description: Recombinant H5 hemagglutinin (HA) protein from influenza virus A/Hong Kong/156/1997 (H5N1) was produced in Sf9 insect cells using a baculovirus expression vector system¹ and was purified using conventional chromatographic techniques.

Lot: 4023352

Manufacturing Date²: 03MAR2002

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Report results	HA bands (HA0, HA1, HA2) account for > 85% of total density
Concentration by Bicinchoninic Acid Protein Assay³	Report results	127 µg/mL (27MAY2005)
Functional Activity Hemagglutination assay Hemagglutination inhibition (HI) assay HI and ELISA assays	Report results Specific to H5 HA subtype Reactive within H5 HA subtype	Active Specific to H5 HA subtype Reactive within H5 HA subtype
Microbial Content	0.2 micron filter sterilized	0.2 micron filter sterilized
Sterility (post-vialing, 21-day incubation) Harpo's HTYE broth ⁴ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Endotoxin Content (Limulus Amoebocyte Lysate assay)	< 0.1 EU endotoxin per µg protein	< 0.01 EU endotoxin per µg protein

¹U.S. patent number 5,762,939 and 6,103,526.

²Note: The manufacturing date indicated on the vial is the deposit date.

³Pierce Biotechnology, Inc.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 16 APR 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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