

**H5 Hemagglutinin (HA) Protein from Influenza Virus, A/Hong Kong/213/2003 (H5N1), Recombinant from baculovirus**

**Catalog No. NR-658**

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

**Product Description:** Recombinant H5 hemagglutinin (HA) protein from influenza virus A/Hong Kong/213/2003 (H5N1) was produced in Sf9 insect cells using a baculovirus expression vector system<sup>1</sup> and was purified using conventional chromatographic techniques.

**Lot: 4023363**

**Manufacturing Date<sup>2</sup>: 06MAY2003**

TEST	SPECIFICATIONS	RESULTS
<b>SDS-PAGE (Coomassie Blue densitometer scan)</b>	Report results	Multiple bands
<b>Concentration by Bicinchoninic Acid Protein Assay<sup>3</sup></b>	Report results	66 µg/mL (27MAY2005)
<b>Functional Activity</b> Hemagglutination assay Hemagglutination inhibition assay (pre-vialing) ELISA assay (post-vialing)	Report results Specific to H5 HA subtype Reactive within H5 HA subtype	Weak activity Specific to H5 HA subtype Reactive within H5 HA subtype
<b>Microbial Content</b>	0.2 micron filter sterilized	0.2 micron filter sterilized
<b>Sterility (post-vialing; 21-day incubation)</b> Harpo's HTYE broth <sup>4</sup> , 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 <sub>2</sub>	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
<b>Endotoxin Content (Limulus Amoebocyte Lysate assay)</b>	< 0.1 EU endotoxin per µg protein	< 0.01 EU endotoxin per µg protein

<sup>1</sup>U.S. Patent Numbers 5,762,939 and 6,103,526.

<sup>2</sup>Note: The manufacturing date indicated on the vial is the deposit date.

<sup>3</sup>Pierce Biotechnology, Inc.

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

**Date:** 17 APR 2014

**Signature:** *Dorothy C. Young*

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

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