

H9 Hemagglutinin (HA) Protein from Influenza Virus, A/Hong Kong/1073/1999 (H9N2), Recombinant from baculovirus

Catalog No. NR-654

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Product Description: Recombinant H9 hemagglutinin (HA) protein from influenza virus A/Hong Kong/1073/1999 (H9N2) was produced in Sf9 insect cells using a baculovirus expression vector system¹ and was purified using conventional chromatographic techniques.

Lot: 4023359

Manufacturing Date²: 31JAN2000

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| SDS-PAGE (Coomassie Blue densitometer scan) | Report results | HA bands (HA0, HA1, HA2) account for > 98% of total density |
| Concentration by Bicinchoninic Acid Protein Assay³ | Report results | 187 µg/mL (14JUN2005) |
| Functional Activity Hemagglutination assay Hemagglutination inhibition (HI) assay HI and ELISA assays | Report results Specific to H9 HA subtype Reactive within G1 sublineage of H9 HA subtype | Active Specific to H9 HA subtype Reactive within G1 sublineage of H9 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 Numbers 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: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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