

N4 Neuraminidase (NA) Protein from Influenza Virus, A/grey teal/Australia/2/1979 (H4N4), Recombinant from baculovirus

Catalog No. NR-656

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

Product Description: Recombinant N4 neuraminidase (NA) protein from influenza virus A/grey teal/Australia/2/1979 (H4N4) was produced in Sf9 insect cells using a baculovirus expression vector system¹ and was purified using conventional chromatographic techniques.

Lot: 4023361

Manufacturing Date²: 01MAY2003

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Report results	NA band accounts for > 90% of total density
Concentration by Bicinchoninic Acid Protein Assay³	Report results	119 µg/mL (14JUN2005)
Functional Activity Neuraminidase assay Neuraminidase inhibition (NI) assay NI and ELISA assays	Report results Specific to N4 NA subtype Reactive within N4 NA subtype	Active Specific to N4 NA subtype Reactive within N4 NA 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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