

## **Certificate of Analysis for NR-15172**

## Hemagglutinin (HA) Protein from Influenza Virus, B/Malaysia/2506/2004, Recombinant from Baculovirus

## Catalog No. NR-15172

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

**Product Description:** The hemagglutinin (HA) protein from influenza virus B/Malaysia/2506/2004 is a full-length glycosylated recombinant protein that was produced in Sf9 insect cells using a baculovirus expression vector system.<sup>1</sup> The recombinant HA protein was purified under conditions that preserve its biological activity and tertiary structure.

Lot: 58774834 Manufacturing Date: DEC2009

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	≥ 90% pure	≥ 90% pure
Concentration by Bicinchoninic Acid Protein Assay	Report results	1200 µg per mL
HA Activity	Report results	2408 HA units per μg
Endotoxin Content	Report results	< 125 EU per mL
Bioburden	Report results	< 10 colony-forming units per mL

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

**Date:** 17 APR 2014

Signature: Dorothy C. Young

Title:

Technical Manager, BEI Authentication or designee

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