

**Peptide Array, Influenza Virus A/California/7/2004 (H3N2) (egg-passaged) Neuraminidase Protein Diverse Peptides**

**Catalog No. NR-9476**

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

**Product Description:** NR-9476 contains 6 peptides that represent regions of amino acid sequence diversity in the neuraminidase (NA) protein of egg-passaged influenza virus A/California/7/2004 (H3N2) (GenPept: ABP52003) compared to the NA of influenza virus A/Wisconsin/67/2005 (H3N2) (GenPept: ABP52004). Peptides are 16- to 17-mers, with 11 or 13 amino acid overlaps.

**Lot: P98415K**

The following information applies to all peptides:

- Appearance Lyophilized powder
- Mass spectral analysis Correct MW by MALDI-TOF
- Counter ion Trifluoroacetate

Peptide-specific information is shown in the two tables below.

Table 1						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC <sup>a</sup>	Peptide Content <sup>b</sup>
15 of 82	12/12/2007	17	79 PKLAEYRNWSKPQC DIT 95	2049	95	70.41
16 of 82	12/11/2007	16	85 RNWSKPQC DITGFAPF 100	1867	99	81.90
17 of 82	12/11/2007	17	90 PQC DITGFAPFSK DNSI 106	1840	80	75.20
49 of 82	12/19/2007	17	271 SAQHVEECSCYPRYPGV 287	1925	97	81.88
50 of 82	12/18/2007	16	275 VEECS CYPRYPGVRCV 290	1860	100	65.70
51 of 82	12/11/2007	17	280 CYPRYPGVRCVCRDNWK 296	2115	98	79.90

<sup>a</sup>% full-length  
<sup>b</sup>Remainder is salt & water

Table 2-Amino Acid Analysis																			
Peptide		Ala (A)	Arg (R)	Asx (N,D)	Cys (C)	Glx (Q,E)	Gly (G)	His (H)	Ile (I)	Leu (L)	Lys (K)	Met (M)	Phe (F)	Pro (P)	Ser (S)	Thr (T)	Trp (W)	Tyr (Y)	Val (V)
15 of 82	Expected	1.00	1.00	2.00	1.00	2.00			1.00	1.00	2.00			2.00	1.00	1.00	1.00	1.00	
	Actual	1.02	1.05	1.91	0.00 <sup>a</sup>	2.06			1.03	1.04	2.06			1.80	0.95	0.95	0.00 <sup>b</sup>	1.06	
16 of 82	Expected	1.00	1.00	2.00	1.00	1.00	1.00		1.00		1.00		2.00	2.00	1.00	1.00	1.00		
	Actual	1.07	1.06	1.90	0.00 <sup>a</sup>	0.89	1.08		1.03		0.97		2.18	2.06	0.94	1.02	0.00 <sup>b</sup>		
17 of 82	Expected	1.00		3.00	1.00	1.00	1.00		2.00		1.00		2.00	2.00	2.00	1.00			
	Actual	1.05		2.97	0.00 <sup>a</sup>	1.01	1.04		1.79		0.99		2.09	2.06	1.84	0.99			
49 of 82	Expected	1.00	1.00		2.00	3.00	1.00	1.00						2.00	2.00			2.00	2.00
	Actual	1.01	1.03		0.00 <sup>a</sup>	2.93	1.03	0.96						1.93	1.98			2.06	2.03
50 of 82	Expected		2.00		3.00	2.00	1.00							2.00	1.00			2.00	3.00
	Actual		2.07		0.00 <sup>a</sup>	1.89	1.05							1.81	0.88			2.05	3.13
51 of 82	Expected		3.00	2.00	3.00		1.00				1.00			2.00			1.00	2.00	2.00
	Actual		3.00	2.00	0.00 <sup>a</sup>		1.00				1.05			2.05			0.00 <sup>b</sup>	1.95	1.91

<sup>a</sup>Cys was totally destroyed during hydrolysis  
<sup>b</sup>Trp was totally destroyed during hydrolysis

**Date:** 29 JUL 2014

**Signature:** 

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

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