

**Peptide Array, Influenza Virus A/New Caledonia/20/1999 (H1N1) Hemagglutinin Protein**

**Catalog No. NR-2703**

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**Product Description:** The 10-peptide array spans the hemagglutinin protein of the A/New Caledonia/20/1999 (H1N1) strain of influenza virus (GenPept: AAP34324). The initial 17-amino-acid signal peptide has been excluded; therefore the array starts from a mature N-terminus. In addition, cysteine residues have been substituted with serine at positions C4, C42, C274, C463, C537, C544 and C547. Peptides are 40- to 80-mers, with 16 to 21 amino acid overlaps.

**Lot: PC1210**

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Correct MW by ESI/MS
- Counter Ion Trifluoroacetate

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

Table 1			
Peptide	Date of Mfg.	Length	Sequence
1 of 9	07/13/07	80	1-DTISIGYHANNSTDTVDTVLEKNVTVTHSVNLLLEDSHNGKLSLLKGIAPLQLGNCSVAGWILGNPECELLISKESWSYIV-80
2 of 9	06/11/07	80	61-ILGNPESELLISKESWSYIVETPNPENGTCYPGYFADYEELREQLSSVSSFERFEIFPKESSWPNHVTGVSASC SHNGK-140
3 of 9	05/14/07	80	121-SSWPNHTVTGVSASC SHNGKSSFYRNLLWLTGKNGLYPNLSKSYVNNKEKEVLVWGVHPPNIGNQRALYHTENAYVSV-200
4 of 9	05/14/07	80	181-PPNIGNQRALYHTENAYVSVSSHYSRRFTPEIAKRPKVRDQEGRINYYWTLLEPGDTIIFEANGNLIAPWYAFALSRGF-260
5 of 9	06/13/07	80	241-FEANGNLIAPWYAFALSRGFGSGIITSNAPMDESDAKCQTPQGAINSSLPFQNVHPVTIGCEPKYVRSAKLRMTGLRNI-320
6 of 9	07/10/07	80	300-GECPKYVRSAKLRMTGLRNIPIQSRLFGAIAGFIEGGWTGMVDGWYGYHHQNEQQSGYAADQKSTQNAINGITNKVN-379
7 of 9	05/15/07	79	360-YAADQKSTQNAINGITNKVNSVIEKMNTQFTAVGKEFNKLERRMENLNKKVDDGFLDIWYNAELLVLENERTLDFHD-438
8 of 9	06/13/07	80	419-TYNAELLVLENERTLDFHDSNVKNLYEKVKSQKNNAKEIGNGSFEFYHKCNNECMESVKNGTYDPKYSEESKLNREK-498
9B of 9	12/05/07	40	479-KNGTYDPKYSEESKLNREKIDGVKLESMGVYQILAIYST-518
9A of 9	12/06/07	46	503-KLESMGVYQILAIYSTVASSLVLLVSLGAISFWMSSNGSLQSRISI-548

Peptide	Molecular Weight (amu)	Hydrophilicity	Purity by HPLC <sup>a</sup>
1 of 9	8637.35	-0.2	90.5%
2 of 9	9002.98	0.0	82.8%
3 of 9	8969.56	-0.3	91.0%
4 of 9	9247.09	-0.1	83.7%
5 of 9	8625.49	-0.2	86.7%
6 of 9	8674.49	-0.1	95.7%
7 of 9	9164.20	0.2	98.6%
8 of 9	9444.76	0.4	92.2%
9B of 9	4632.79	-0.6	88.2%
9A of 9	4922.20	0.2	undetermined <sup>b</sup>

<sup>a</sup>% full-length  
<sup>b</sup>difficult to purify by HPLC due to high content of hydrophobic residues

Date: 20 JUN 2014

Signature: *Dorothy C. Young*

Title: Technical Manager, BEI Authentication or designee

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