

Peptide Array, Dengue Virus Type 2, S1 Candidate Vaccine, E Protein

Catalog No. NR-510

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Product Description: The 67-peptide array spans the E protein of Dengue virus type 2, S1 candidate vaccine (GenPept: AAA42962). Peptides are 15- to 20-mers, with 10 or 11 amino acid overlaps.

Lot: 3898691

The following information applies to all peptides:

- Appearance White lyophilized powder
- Mass spectral analysis Electrospray "Exhibits correct MW"
- 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 ^a	Peptide Content ^b
1	11/2/2004	15	MRCIGISNRDFVEGV	1696.0	91.5%	83.0%
2	11/22/2004	18	ISNRDFVEGVSGGSWVDI	1937.1	72.0%	90.0%
3	11/22/2004	18	GVSGGSWVDIVLEHGSCV	1801.0	65.7%	90.0%
4	11/22/2004	17	DIVLEHGSCVTTMAKNK	1846.2	91.8%	79.0%
5	11/5/2004	18	SCVTTMAKNKPTLDFELI	2011.4	91.7%	85.0%
6	11/8/2004	18	NKPTLDFELIKTEAKQPA	2043.3	95.1%	82.0%
7	11/10/2004	17	LIKTEAKQPATLRKYCI	1976.4	92.1%	76.0%
8	10/29/2004	15	KQPATLRKYCIEAKL	1762.2	91.7%	74.0%
9	11/5/2004	18	LRKYCIEAKLTNTTTDSR	2113.4	90.0%	77.0%
10	11/10/2004	19	KLTNTTTDSRCPTQGEPTL	2063.3	96.9%	85.0%
11	11/10/2004	18	RCPTQGEPTLNEEQDKRF	2148.3	92.9%	81.0%
12	11/15/2004	17	TLNEEQDKRFVCKHSMV	2064.4	97.6%	77.0%
13	11/19/2004	20	KRFVCKHSMVDRGWNGCGL	2250.7	93.3%	89.0%
14	11/4/2004	17	DRGWNGCGLFGKGGIV	1692.9	91.7%	83.0%
15	11/24/2004	18	CGLFGKGGIVTCAMFTCK	1836.3	<25%	84.0%
16	11/10/2004	18	IVTCAMFTCKKNMEGKIV	2016.5	92.8%	80.0%
17	11/8/2004	17	CKKNMEGKIVQPENLEY	2023.4	95.4%	81.0%
18	11/29/2004	17	KIVQPENLEYTVVITPH	1980.3	90.1%	85.0%
19	11/8/2004	17	LEYTVVITPHSGEEHAV	1881.1	93.1%	84.0%
20	11/19/2004	17	TPHSGEEHAVGNDTGKH	1772.8	94.4%	75.0%
21	11/10/2004	16	HAVGNDTGKHGKEVKI	1689.9	95.2%	70.0%

Table 1 (continued)						
Peptide	Date of Mfg.	Length	Sequence	Molecular Weight (amu)	Purity by HPLC ^a	Peptide Content ^b
22	11/4/2004	16	TGKHGKEVKITPQSSI	1710.0	97.8%	74.0%
23	11/15/2004	18	EVKITPQSSITEAELTGY	1966.2	90.1%	90.0%
24	11/26/2004	15	SITEAELTGYGTVTM	1572.8	93.8%	89.0%
25	11/22/2004	18	ELTGYGTVTMECSPTGL	1915.2	90.4%	89.0%
26	11/5/2004	18	TMECSPTGLDFNEMVLL	2056.4	90.0%	90.0%
27	11/22/2004	18	GLDFNEMVLLQMCKAWL	2151.6	90.0%	85.0%
28	11/30/2004	17	LLQMCKAWLVHRQWFL	2212.7	97.5%	78.0%
29	11/8/2004	17	AWLVHRQWFLDLPLPWL	2190.6	90.6%	86.0%
30	11/19/2004	20	WFLDLPLPWLPGADTQGSNW	2313.6	94.8%	90.0%
31	11/8/2004	17	PGADTQGSNWIQKELV	1844.0	95.3%	89.0%
32	11/24/2004	18	SNWIQKELVTFKNPHAK	2141.5	95.9%	77.0%
33	11/5/2004	17	LVTFKNPHAKKQDVVVL	1936.3	96.5%	76.0%
34	11/11/2004	18	HAKKQDVVVLGSQEGAMH	1934.2	90.0%	76.0%
35	11/3/2004	16	VLGSQEGAMHTALTGA	1542.7	98.2%	88.0%
36	11/25/2004	15	GAMHTALTGATEIQM	1531.8	92.5%	88.0%
37	11/24/2004	17	ALTGATEIQMSSGNLLF	1753.0	68.3%	89.0%
38	11/18/2004	18	IQMSSGNLLFTGHLKRL	2018.4	93.2%	81.0%
39	11/8/2004	18	LFTGHLKRLRMDKLQLK	2200.7	96.4%	71.0%
40	11/5/2004	16	RLRMDKLQKGMSSYSM	1957.4	91.6%	76.0%
41	11/25/2004	18	LQLKGMSSYSMCTGKFKVV	2020.5	90.6%	81.0%
42	12/3/2004	18	SMCTGKFKVVKIEAETQH	2036.4	91.7%	77.0%
43	11/12/2004	17	VVKEIAETQHGTIVIRV	1892.2	90.1%	80.0%
44	11/26/2004	20	TQHGTIVIRVQYEGDGSPEK	2188.4	34.7%	81.0%
45	11/15/2004	17	VQYEGDGSPEKTPFEIM	1901.1	93.7%	89.0%
46	11/27/2004	18	SPCKTPFEIMDLEKRHVL	2143.6	97.3%	76.0%
47	11/8/2004	16	IMDLEKRHVLRLLTTV	1881.3	93.6%	75.0%
48	11/15/2004	17	RHVLRLLTTVNPIVTEK	1933.3	95.5%	76.0%
49	11/4/2004	18	TTVNPIVTEKDSPVNIEA	1927.1	90.6%	89.0%
50	11/7/2004	18	EKDSPVNIEAEPFPGDSY	1994.1	95.3%	90.0%
51	11/7/2004	15	EAEPFPGDSYIIIGV	1606.8	93.6%	88.0%
52	11/7/2004	17	FGDSYIIIGVEPGQLKL	1849.2	90.7%	89.0%
53	11/7/2004	15	IGVEPGQLKLDWFKK	1758.1	95.0%	79.0%
54	11/13/2004	18	GQLKLDWFKKGSSIGQMF	2070.4	95.3%	81.0%
55	11/10/2004	18	KKGSSIGQMFETMRGAK	1957.3	90.7%	76.0%
56	11/10/2004	15	MFETMRGAKRMAIL	1756.2	97.0%	79.0%
57	11/22/2004	17	MRGAKRMAILGDTAWDF	1939.3	91.4%	79.0%
58	11/11/2004	17	AILGDTAWDFGSLGGVF	1725.9	91.6%	89.0%
59	11/22/2004	18	WDFGSLGGVFTSIGKALH	1892.1	95.9%	85.0%
60	11/8/2004	17	VFTSIGKALHQVFGAIY	1851.2	94.1%	84.0%
61	11/24/2004	17	ALHQVFGAIYGAAFSGV	1707.9	44.7%	90.0%
62	11/18/2004	18	AIYGAAFSGVSWTMKILI	1928.3	32.0%	90.0%
63	11/18/2004	17	GVSWSWTKILIGVIITWI	1930.4	<20%	85.0%
64	11/14/2004	15	ILIGVIITWIGMNSR	1686.1	<25%	89.0%
65	11/24/2004	18	IITWIGMNSRSTLSVSL	1965.3	30.4%	90.0%
66	11/18/2004	18	SRSTLSVSLVLVGIIVTL	1831.2	<35%	90.0%
67	11/18/2004	18	SLVLVGIIVTLVGMVQA	1875.3	<35%	90.0%

^a% full-length
^bRemainder is salt and water

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)
1	Expected		2.00	2.00	1.00	1.00	2.00		2.00			1.00	1.00		1.00				2.00
	Actual		2.01	2.00	0.57 ^a	1.01	1.99		2.00			1.00	1.02		0.98				1.97
2	Expected		1.00	3.00		1.00	3.00		2.00				1.00		3.00		1.00		3.00
	Actual		1.02	3.00		1.03	3.02		2.01				1.00		2.97		0.00 ^a		3.02
3	Expected			1.00	1.00	1.00	4.00	1.00	1.00	1.00					3.00		1.00		4.00
	Actual			1.03	0.53 ^a	1.00	3.97	1.00	0.74 ^b	1.00					3.02		0.00 ^a		3.74
4	Expected	1.00		2.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00			1.00	2.00			2.00
	Actual	1.00		1.96	0.59 ^a	1.03	1.01	0.99	0.72 ^b	1.00	1.97	1.01			0.97	2.03			1.70 ^b
5	Expected	1.00		2.00	1.00	1.00			1.00	2.00	2.00	1.00	1.00	1.00	1.00	3.00			1.00
	Actual	1.00		2.01	0.54 ^a	1.03			1.02	1.99	1.98	1.00	1.00	0.99	1.00	2.99			1.00
6	Expected	2.00		2.00		3.00			1.00	2.00	3.00		1.00	2.00		2.00			
	Actual	2.01		2.03		2.97			1.00	2.01	2.99		1.00	1.99		2.01			
7	Expected	2.00	1.00		1.00	2.00			2.00	2.00	3.00			1.00		2.00		1.00	
	Actual	2.00	1.02		0.57 ^a	1.99			2.03	1.99	3.01			1.00		2.00		1.02	
8	Expected	2.00	1.00		1.00	2.00			1.00	2.00	3.00			1.00		1.00		1.00	
	Actual	1.97	1.02		0.57 ^a	2.00			1.00	1.99	3.00			1.02		0.97		1.02	
9	Expected	1.00	2.00	2.00	1.00	1.00			1.00	2.00	2.00				1.00	4.00		1.00	
	Actual	1.02	2.03	1.99	0.54 ^a	1.00			1.02	2.00	1.98				1.00	4.03		1.00	
10	Expected		1.00	2.00	1.00	2.00	1.00			2.00	1.00			2.00	1.00	6.00			
	Actual		0.97	2.01	0.56 ^a	1.97	1.00			2.03	1.01			2.01	1.00	6.03			
11	Expected		2.00	2.00	1.00	5.00	1.00			1.00	1.00		1.00	2.00		2.00			
	Actual		2.03	2.01	0.53 ^a	5.04	1.00			0.97	1.01		1.02	1.99		2.03			
12	Expected		1.00	2.00	1.00	3.00		1.00		1.00	2.00	1.00	1.00		1.00	1.00			2.00
	Actual		1.02	1.99	0.53 ^a	2.99		1.00		1.00	2.01	1.00	1.00		0.98	1.00			2.01
13	Expected		2.00	2.00	2.00		4.00	1.00		1.00	2.00	1.00	1.00		1.00		1.00		2.00
	Actual		2.03	1.99	1.03 ^a		4.02	0.98		1.00	2.03	1.00	0.98		0.99		0.00 ^a		2.01
14	Expected		1.00	2.00	1.00		7.00		1.00	1.00	1.00		1.00				1.00		1.00
	Actual		1.00	2.01	0.56 ^a		7.06		0.70 ^b	1.00	1.01		1.02				0.00 ^a		0.76 ^b
15	Expected	1.00			3.00		4.00		1.00	1.00	2.00	1.00	2.00			2.00			1.00
	Actual	0.97			1.63 ^a		3.97		0.77 ^b	1.02	2.01	1.00	2.00			2.01			0.75 ^b
16	Expected	1.00		1.00	2.00	1.00	1.00		2.00		3.00	2.00	1.00			2.00			2.00
	Actual	1.00		1.02	1.06 ^a	1.02	1.03		1.46 ^b		3.00	1.99	1.00			1.99			1.52 ^b
17	Expected			2.00	1.00	4.00	1.00		1.00	1.00	3.00	1.00		1.00				1.00	1.00
	Actual			2.03	0.54 ^a	4.03	1.00		0.72 ^b	1.00	3.02	1.00		1.00				1.02	0.74 ^b
18	Expected			1.00		3.00		1.00	2.00	1.00	1.00			2.00		2.00		1.00	3.00
	Actual			1.02		3.01		1.00	1.53 ^b	1.02	1.00			1.99		2.03		1.00	2.04 ^b
19	Expected	1.00				3.00	1.00	2.00	1.00	1.00				1.00	1.00	2.00		1.00	3.00
	Actual	1.02				3.00	1.01	2.00	0.73 ^b	1.00				1.00	0.97	2.00		1.00	2.51 ^b
20	Expected	1.00		2.00		2.00	3.00	3.00			1.00			1.00	1.00	2.00			1.00
	Actual	1.02		2.03		2.01	3.00	3.04			1.00			0.99	1.02	2.01			1.00
21	Expected	1.00		2.00		1.00	3.00	2.00	1.00		3.00					1.00			2.00
	Actual	1.02		2.00		1.02	2.99	2.00	0.99		3.02					1.00			2.01
22	Expected					2.00	2.00	1.00	2.00	3.00				1.00	2.00	2.00			1.00
	Actual					1.98	1.99	1.01	2.02	3.00				1.00	1.99	2.00			1.02

Table 2 - Amino Acid Analysis (continued)

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)
23	Expected	1.00				4.00	1.00		2.00	1.00	1.00			1.00	2.00	3.00		1.00	1.00
	Actual	1.02				3.99	1.00		2.01	1.00	1.02			1.00	2.03	3.00		1.00	1.00
24	Expected	1.00				2.00	2.00		1.00	1.00		1.00			1.00	4.00		1.00	1.00
	Actual	1.00				2.03	1.99		1.02	1.00		1.03			1.00	3.97		1.02	1.00
25	Expected		1.00		1.00	2.00	3.00			2.00		1.00		1.00	1.00	4.00		1.00	1.00
	Actual		1.02		0.56 ^a	2.01	3.00			2.04		1.00		1.03	1.00	3.97		1.03	1.00
26	Expected		1.00	2.00	1.00	2.00	1.00			3.00		2.00	1.00	1.00	1.00	2.00			1.00
	Actual		1.00	2.01	0.56 ^a	1.99	1.02			2.97		2.01	1.00	1.01	1.00	2.01			1.03
27	Expected	1.00		3.00		2.00	1.00			4.00	2.00	2.00	1.00					1.00	1.00
	Actual	1.01		3.04		1.96	1.00			3.97	2.03	2.00	0.97					0.00 ^a	1.00
28	Expected	1.00	1.00	1.00		2.00		1.00		4.00	2.00	1.00	1.00					2.00	1.00
	Actual	1.03	1.00	0.98		2.03		0.99		4.03	2.00	1.00	1.02					0.00 ^a	1.03
29	Expected	1.00	1.00	1.00		1.00		1.00		5.00			1.00	2.00				3.00	1.00
	Actual	1.00	1.00	1.02		1.00		0.99		5.03			1.00	2.01				0.00 ^a	1.02
30	Expected	1.00		3.00		1.00	2.00			4.00			1.00	3.00	1.00	1.00	3.00		
	Actual	1.03		3.01		1.00	2.00			4.05			1.00	3.01	0.98	1.02	0.00 ^a		
31	Expected	1.00		2.00		3.00	2.00		1.00	1.00	1.00			1.00	1.00	2.00	1.00		1.00
	Actual	1.02		2.03		3.00	1.99		1.02	1.00	1.00			1.03	0.97	2.00	0.00 ^a		1.00
32	Expected	1.00		2.00		2.00		1.00	1.00	1.00	3.00		1.00	1.00	1.00	2.00	1.00		1.00
	Actual	1.03		2.00		2.01		1.00	1.03	1.00	2.99		1.02	0.99	0.96	2.00	0.00 ^a		1.03
33	Expected	1.00		2.00		1.00		1.00		2.00	3.00		1.00	1.00		1.00			4.00
	Actual	1.00		2.01		1.00		1.03		2.01	3.01		1.00	0.97		1.00			3.01 ^b
34	Expected	2.00		1.00		3.00	2.00	2.00		1.00	2.00	1.00			1.00				3.00
	Actual	2.01		1.00		2.99	2.01	1.99		1.00	2.01	1.01			1.02				2.05 ^b
35	Expected	3.00				2.00	3.00	1.00		2.00		1.00			1.00	2.00			1.00
	Actual	3.02				1.99	3.00	1.00		2.01		1.00			0.98	2.00			1.00
36	Expected	3.00				2.00	2.00	1.00	1.00	1.00		2.00				3.00			
	Actual	3.02				2.00	2.01	0.99	1.02	1.00		2.03				3.02			
37	Expected	2.00		1.00		2.00	2.00		1.00	3.00		1.00	1.00		2.00	2.00			
	Actual	2.03		1.00		1.99	1.97		1.00	2.99		1.02	1.00		2.01	2.01			
38	Expected		1.00	1.00	1.00	1.00	2.00	1.00	1.00	4.00	1.00	1.00	1.00		2.00	1.00			
	Actual		0.98	0.99	0.56 ^a	1.03	1.96	1.00	1.00	4.05	0.98	1.01	1.00		1.97	1.03			
39	Expected		2.00	1.00	1.00	1.00	1.00	1.00		5.00	3.00	1.00	1.00			1.00			
	Actual		2.01	1.00	0.55 ^a	0.97	1.01	1.00		5.06	3.01	1.00	1.03			1.00			
40	Expected		2.00	1.00		1.00	1.00			3.00	2.00	3.00			2.00			1.00	
	Actual		2.01	1.00		1.02	1.00			2.98	2.00	3.01			1.97			1.00	
41	Expected				1.00	1.00	2.00			2.00	3.00	2.00	1.00		2.00	1.00		1.00	2.00
	Actual				0.47 ^a	0.97	2.03			2.01	3.02	1.97	0.97		1.99	1.00		1.02	1.46 ^b
42	Expected	1.00			1.00	3.00	1.00	1.00	1.00		3.00	1.00	1.00		1.00	2.00			2.00
	Actual	1.00			0.53 ^a	3.04	0.97	1.00	1.01		3.03	0.97	1.00		1.01	1.97			1.47 ^b
43	Expected	1.00	1.00			3.00	1.00	1.00	3.00		1.00					2.00			4.00
	Actual	1.02	1.00			3.02	0.99	0.98	2.43 ^b		1.02					1.98			3.08 ^b
44	Expected		1.00	1.00	1.00	3.00	3.00	1.00	2.00		1.00			1.00	1.00	2.00		1.00	2.00
	Actual		1.02	0.98	0.55 ^a	3.04	3.02	0.99	1.57 ^b		1.01			0.96	1.01	1.95		1.00	1.54 ^b

Table 2 - Amino Acid Analysis (continued)

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)
45	Expected			1.00	1.00	3.00	2.00		1.00		1.00	1.00	1.00	2.00	1.00	1.00		1.00	1.00
	Actual			1.02	0.57 ^a	2.99	2.00		1.00		1.02	1.00	1.00	1.99	1.02	1.00		1.00	1.00
46	Expected		1.00	1.00	1.00	2.00		1.00	1.00	2.00	2.00	1.00	1.00	2.00	1.00	1.00			1.00
	Actual		0.98	1.03	0.55 ^a	2.00		1.01	0.98	1.96	2.01	1.00	1.00	1.97	1.03	1.00			1.02
47	Expected		2.00	1.00		1.00	1.00	1.00	1.00	3.00	1.00	1.00				2.00			2.00
	Actual		2.03	1.00		1.00	1.01	1.03	1.02	2.99	1.00	0.99				1.99			1.99
48	Expected		2.00	1.00		1.00	1.00	1.00	1.00	2.00	1.00			1.00		3.00			3.00
	Actual		2.01	1.00		1.01	1.00	1.03	0.71 ^b	2.01	1.02			1.00		3.02			2.76 ^b
49	Expected	1.00		3.00		2.00			2.00		1.00			2.00	1.00	3.00			3.00
	Actual	1.00		2.98		2.00			1.71 ^b		1.02			2.00	0.98	3.00			2.75 ^b
50	Expected	1.00		3.00		3.00	1.00		1.00		1.00		1.00	3.00	2.00			1.00	1.00
	Actual	1.02		3.01		3.00	1.00		1.00		0.99		0.97	3.02	2.01			1.02	1.00
51	Expected	1.00		1.00		2.00	2.00		3.00				1.00	2.00	1.00			1.00	1.00
	Actual	0.97		1.00		2.01	1.99		1.98 ^b				1.02	1.99	1.02			1.00	1.00
52	Expected			1.00		2.00	3.00		3.00	2.00	1.00		1.00	1.00	1.00			1.00	1.00
	Actual			1.02		2.01	3.00		2.06 ^b	2.01	1.00		0.97	0.99	1.01			1.00	1.02
53	Expected			1.00		2.00	2.00		1.00	2.00	3.00		1.00	1.00			1.00		1.00
	Actual			1.02		2.02	2.00		0.97	2.02	3.04		1.00	0.98			0.00 ^a		1.00
54	Expected			1.00		2.00	3.00		1.00	2.00	3.00	1.00	2.00		2.00		1.00		
	Actual			1.02		2.01	3.00		1.02	2.00	2.99	1.00	2.01		2.00		0.00 ^a		
55	Expected	1.00	1.00			2.00	3.00		1.00		3.00	2.00	1.00		2.00	2.00			
	Actual	1.03	1.00			2.01	3.02		1.02		3.00	2.00	1.03		1.99	2.00			
56	Expected	2.00	2.00			1.00	1.00		1.00	1.00	1.00	3.00	1.00			2.00			
	Actual	2.00	2.00			1.02	0.98		1.00	1.02	0.98	3.02	1.00			2.01			
57	Expected	3.00	2.00	2.00			2.00		1.00	1.00	1.00	2.00	1.00			1.00	1.00		
	Actual	3.05	2.01	1.97			1.96		1.00	0.95	1.01	2.00	0.99			1.02	0.00 ^a		
58	Expected	2.00		2.00			4.00		1.00	2.00			2.00		1.00	1.00	1.00		1.00
	Actual	2.03		1.99			4.05		1.02	2.03			2.00		1.00	1.00	0.00 ^a		0.99
59	Expected	1.00		1.00			4.00	1.00	1.00	2.00	1.00		2.00		2.00	1.00	1.00		1.00
	Actual	1.00		1.01			3.94	1.03	1.01	2.01	1.02		2.03		1.98	1.00	0.00 ^a		1.02
60	Expected	2.00				1.00	2.00	1.00	2.00	1.00	1.00		2.00		1.00	1.00		1.00	2.00
	Actual	2.03				1.01	2.03	1.00	2.01	1.02	1.00		1.99		1.03	1.00		1.00	2.03
61	Expected	4.00				1.00	3.00	1.00	1.00	1.00			2.00		1.00			1.00	2.00
	Actual	4.05				1.02	3.02	1.00	0.98	0.99			2.01		0.97			1.00	2.02
62	Expected	3.00					2.00		3.00	1.00	1.00	1.00	1.00		2.00	1.00	1.00	1.00	1.00
	Actual	3.03					2.00		2.96	1.02	1.00	0.99	1.00		1.97	1.00	0.00 ^a	1.00	1.03
63	Expected						2.00		5.00	1.00	1.00	1.00			1.00	2.00	2.00		2.00
	Actual						2.03		4.21 ^b	1.00	1.03	0.99			1.01	2.00	0.00 ^a		1.74 ^b
64	Expected		1.00	1.00			2.00		5.00	1.00		1.00			1.00	1.00	1.00		1.00
	Actual		0.98	0.97			1.99		4.30 ^b	1.00		1.02			1.03	1.02	0.00 ^a		0.74 ^b
65	Expected		1.00	1.00			1.00		3.00	2.00		1.00			5.00	2.00	1.00		1.00
	Actual		1.00	1.02			1.02		2.55 ^b	2.00		0.99			5.02	2.00	0.00 ^a		1.02
66	Expected		1.00				1.00		1.00	4.00					5.00	2.00			4.00
	Actual		1.00				1.03		0.70 ^b	4.03					5.03	1.97			3.73 ^b
67	Expected	1.00				1.00	2.00		1.00	4.00		1.00			1.00	1.00		1.00	5.00
	Actual	1.03				1.00	2.01		0.68 ^b	4.01		1.00			1.00	1.03		1.00	4.75 ^b

^aCys and/or Trp was partially or completely destroyed during hydrolysis.

^bIle-Ile, Val-Ile and/or Ile-Val bond was partially destroyed during hydrolysis.

Date: 29 MAY 2007

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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