

## Peptide Array, Hantaan Virus, 76-118, Glycoprotein Precursor (GPC)

### Catalog No. NR-4767

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#### Contributor:

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#### Product Description:

The 199-peptide array spans the glycoprotein precursor (GPC) of Hantaan virus, 76-118 (GenPept: P08668).<sup>1</sup> Peptides are 14- to 17-mers, with 11 to 13 amino acid overlaps. Please see Table 1 for length and sequence of individual peptides.

#### Material Provided:

Peptides are provided lyophilized at 1 mg per vial.

#### Packaging/Storage:

Lyophilized peptides should be placed in a closed dry environment with dessicants and stored at -20°C or colder immediately upon arrival. A frost-free freezer should be avoided, since changes in moisture and temperature may affect peptide stability.

#### Solubility:

Solubility may vary based on the amino acid content of the individual peptide (see Table 2).

#### Reconstitution:

Lyophilized peptides should be warmed to room temperature for 1 hour prior to reconstitution. They should be dissolved at the highest possible concentration, and then diluted with water or buffer to the working concentration. Buffer should be added only after the peptide is completely in solution because salts may cause aggregation.

The most common dissolution process is 1 mg of peptide in 1 mL of sterile, distilled water. Peptides that are not soluble in water can almost always be dissolved in DMSO. Once a peptide is in solution, the DMSO can be slowly diluted with aqueous medium. Care must be taken to ensure that the peptide does not begin to precipitate out of solution. For cell-based assays, 0.5% DMSO in medium is usually well-tolerated.

Sonication and/or the addition of small amounts of dilute (10%) aqueous acetic acid for basic peptides, aqueous ammonia for acidic peptides or acetonitrile may also help dissolution (see Table 2). These solvents may not be appropriate for certain applications, including cell-based assays.

#### Storage of Reconstituted Peptides:

The shelf life of peptides in solution is very limited, especially for sequences containing cysteine, methionine, tryptophan, asparagine, glutamine, and N-terminal glutamic acid. In general, peptides may be aliquoted and stored in solution for a few days at -20°C or colder. For long-term storage, peptides should be re-lyophilized and stored at -20°C or colder. If long-term storage in solution is unavoidable, peptide solutions should be buffered to pH 5–6, aliquoted and stored at -20°C or colder. Freeze-thaw cycles should be avoided.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Peptide Array, Hantaan Virus, 76-118, Glycoprotein Precursor (GPC), NR-4767."

#### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

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## References:

- Schmaljohn, C. S., A. L. Schmaljohn and J. M. Dalrymple. "Hantaan Virus M RNA: Coding Strategy, Nucleotide Sequence, and Gene Order." *Virology* 157 (1987): 31–39. PubMed: 3103329. GenPept: P08668.
- Löber, C., et al. "The Hantaan Virus Glycoprotein Precursor Is Cleaved at the Conserved Pentapeptide WAASA." *Virology* 289 (2001): 224–229. PubMed: 11689045.

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**Table 1**

Peptide	Length	Sequence
1 of 199	17	1-MGIWKWLVMASLVWPVL-17
2 of 199	17	7-LVMASLVWPVLRLNVY-23
3 of 199	16	13-VWPVLRLNVYDMKIE-28
4 of 199	16	18-TLRNVYDMKIECPHTV-33
5 of 199	16	23-YDMKIECPHTVSFGEN-38
6 of 199	17	27-IECPHTVSFGENSVIGY-43
7 of 199	17	33-VSFGENSVIGYVELPPV-49
8 of 199	17	39-SVIGYVELPPVPLADTA-55
9 of 199	17	44-VELPPVPLADTAQMVP-60
10 of 199	17	50-PLADTAQMVPESSCNMD-66
11 of 199	17	55-AQMVPESSCNMDNHQSL-71
12 of 199	17	61-SSCNMDNHQSLNTITKY-77
13 of 199	17	67-NHQSLNTITKYTQVSWR-83
14 of 199	16	73-TITKYTQVSWRGKADQ-88
15 of 199	17	78-TQVSWRGKADQSQQSQN-94
16 of 199	16	84-GKADQSQQSQNSFETV-99
17 of 199	17	89-SQSSQNSFETVSTEVDL-105
18 of 199	17	95-SFETVSTEVDLKGTCVL-111
19 of 199	17	101-TEVDLKGTCVLHKMVE-117
20 of 199	17	107-GTCVLHKMVEESYRSR-123
21 of 199	17	113-HKMVEESYRSRKSVCY-129
22 of 199	16	119-SYRSRKSVTCYDLSCN-134
23 of 199	16	124-KSVTCYDLSCNSTYCK-139
24 of 199	17	129-YDLSCNSTYCKPTLYMI-145
25 of 199	16	135-STYCKPTLYMIVPIHA-150
26 of 199	16	140-PTLYMIVPIHACNMMMK-155
27 of 199	17	145-IVPIHACNMMMKSLIAL-161
28 of 199	17	151-CNMMMKSLIALGPYRVQ-167
29 of 199	16	157-CLIALGPYRVQVYYERSY-172
30 of 199	17	162-GPYRVQVYYERSYCMG-178
31 of 199	17	168-VVYERSYCMGVLIEGK-184
32 of 199	17	174-YCMTGVLIEGKCFVPDQ-190

Table 1

Peptide	Length	Sequence
33 of 199	17	180-LIEGKCFVPDQSVVSII-196
34 of 199	17	186-FVPDQSVVSIIKHGIFD-202
35 of 199	17	192-VVSIKHGIFDIASVHI-208
36 of 199	17	198-HGIFDIASVHIVCFFVA-214
37 of 199	17	204-ASVHIVCFFVAVKGNTY-220
38 of 199	17	210-CFFFVAVKGNTYKIFEQV-226
39 of 199	16	216-KGNTYKIFEQVKKSFE-231
40 of 199	17	221-KIFEQVKKSFESTCNDT-237
41 of 199	17	227-KKSFESTCNDTENKVQG-243
42 of 199	17	233-TCNDTENKVQGYYICIV-249
43 of 199	16	239-NKVQGYYICIVGGNSA-254
44 of 199	17	244-YYICIVGGNSAPIYVPT-260
45 of 199	16	250-GGNSAPIYVPTLDDFR-265
46 of 199	17	255-PIYVPTLDDFRSMEAFT-271
47 of 199	15	261-LDDFRSMEAFTGIFR-275
48 of 199	17	265-RSMEAFTGIFRSPHGED-281
49 of 199	17	271-TGIFRSPHGEDHDLAGE-287
50 of 199	16	277-PHGEDHDLAGEEIASY-292
51 of 199	17	282-HDLAGEEIASYSIVGPA-298
52 of 199	17	286-GEEIASYSIVGPANAKV-302
53 of 199	15	292-YSIVGPANAKVPHSA-306
54 of 199	16	296-GPANAKVPHSASSDTL-311
55 of 199	16	301-KVPHSASSDTLSLIAY-316
56 of 199	17	306-ASSDTLSLIAYSGIPSY-322
57 of 199	17	312-SLIAYSGIPSYSSLSIL-328
58 of 199	17	318-GIPSYSSLSILTSSTEA-334
59 of 199	15	324-SLSILTSSTEAKHVF-338
60 of 199	16	328-LTSSTEAKHVFSPGLF-343
61 of 199	17	332-TEAKHVFSPGLFPKLNH-348
62 of 199	16	338-FSPGLFPKLNHTNCDK-353
63 of 199	17	343-FPKLNHTNCDKSAIPLI-359
64 of 199	17	349-TNCDKSAIPLIWTGMID-365
65 of 199	17	355-AIPLIWTGMIDLPGYYE-371
66 of 199	17	361-TGMIDLPGYYEAVHPCT-377
67 of 199	16	367-PGYYEAVHPCTVFCVL-382
68 of 199	16	372-AVHPCTVFCVLSGPAGA-387
69 of 199	16	377-TVFCVLSGPAGASCEAF-392
70 of 199	17	382-LSGPGASCEAFSEGGIF-398
71 of 199	17	388-SCEAFSEGGIFNITSPM-404
72 of 199	17	393-SEGGIFNITSPMCLVSK-409
73 of 199	17	399-NITSPMCLVSKQNRFRRL-415
74 of 199	17	405-CLVSKQNRFRRLTEQQVN-421
75 of 199	17	411-NRFRLTEQQVNFCQRV-427
76 of 199	17	416-TEQQVNFCQRVDMDIV-432

Table 1		
Peptide	Length	Sequence
77 of 199	17	422-FVCQRVDMMDIVVYCNQG-438
78 of 199	17	428-DMDIVVYCNQQRKVILT-444
79 of 199	17	434-YCNGQRKVILTKTLVIG-450
80 of 199	17	440-KVILTKTLVIGQCIYTI-456
81 of 199	17	446-TLVIGQCIYITSLFSL-462
82 of 199	17	452-CIYTITSLSLPGVAH-468
83 of 199	17	458-SLFSSLPGVAHSIAVEL-474
84 of 199	17	464-PGVAHSIAVELCVPGFH-480
85 of 199	17	470-IAVELCVPGFHGWATAA-486
86 of 199	16	476-VPGFHGWATAALLVT-491
87 of 199	17	481-GWATAALLVTFCFGWVL-497
88 of 199	17	487-LLVTFCFGWVLIPAITF-503
89 of 199	17	493-FGWVLIPAITFIILTVL-509
90 of 199	17	499-PAITFIILTVLFIANI-515
91 of 199	17	505-ILTVLFIANIFHTSNQ-521
92 of 199	16	511-FIANIFHTSNQENRLK-526
93 of 199	17	516-FHTSNQENRLKSVLRKI-532
94 of 199	17	520-NQENRLKSVLRKIKEEF-536
95 of 199	16	526-KSVLRKIKEEFETKG-541
96 of 199	17	531-KIKEEFETKGSMVCDV-547
97 of 199	16	536-FEKTGSMVCDVCKYE-551
98 of 199	17	541-GSMVCDVCKYECETYKE-557
99 of 199	17	547-VCKYECETYKELKAHGV-563
100 of 199	16	552-CETYKELKAHGVSCPQ-567
101 of 199	17	556-KELKAHGVSCPQSQCPY-572
102 of 199	17	562-GVSCPQSQCPYCFTHCE-578
103 of 199	17	568-SQCPYCFTHCEPTAAF-584
104 of 199	17	574-FTHCEPTAAFQAHYKV-590
105 of 199	17	580-TEAAFQAHYKVCQVTHR-596
106 of 199	17	586-AHYKVCQVTHRFRDDLK-602
107 of 199	16	591-CQVTHRFRDDLKKTVT-606
108 of 199	16	596-RFRDDLKKTVTPQNFT-611
109 of 199	17	601-LKKTVTPQNFTPQCYRT-617
110 of 199	17	607-PQNFTPQCYRTLNLFYR-623
111 of 199	17	613-GCYRTLNLFYRKSRCYI-629
112 of 199	17	619-NLFYRKSRCYIIFTMWIF-635
113 of 199	16	625-SRCYIIFTMWIFLLVLE-640
114 of 199	17	630-FTMWIFLLVLESILWAA-646
115 of 199	16	636-LLVLESILWAASASET-651
116 of 199	17	641-SILWAASASETPLTPVW-657
117 of 199	17	647-SASETPLPVWNDNAHG-663
118 of 199	17	653-LTPVWNDNAHGVGSVP-669
119 of 199	17	659-DNAHGVGSVPMHTDDEL-675

Table 1		
Peptide	Length	Sequence
120 of 199	16	665-GSVPMTDLELDFSLT-680
121 of 199	17	670-HTDLELDFSLTSSSKYT-686
122 of 199	17	676-DFSLTSSSKYTYYRRKLT-692
123 of 199	17	682-SSKYTYRRKLTNPLEEA-698
124 of 199	17	688-RRKLTNPLEEAQSIDLH-704
125 of 199	17	694-PLEEAQSIDLHIEIEEQ-710
126 of 199	17	700-SIDLHIEIEEQTIGVDV-716
127 of 199	17	705-IEIEEQTIGVDVHALGH-721
128 of 199	17	711-TIGVDVHALGHWFDGRL-727
129 of 199	17	717-HALGHWFDGRLNLKTSF-733
130 of 199	16	723-FDGRLNLKTSFHCGA-738
131 of 199	17	728-NLKTSFHCGACTKYEY-744
132 of 199	17	734-HCYGACTKYEYPWHTAK-750
133 of 199	17	740-TKYEYPWHTAKCHYERD-756
134 of 199	16	746-WHTAKCHYERDYQYET-761
135 of 199	16	751-CHYERDYQYETSWGCN-766
136 of 199	17	756-DYQYETSWGCNPSCPG-772
137 of 199	17	762-SWGCNPSCDCPGVGVTGCT-778
138 of 199	17	768-SDCPGVGTGCTACGLYL-784
139 of 199	17	774-GTGCTACGLYLDQLKPV-790
140 of 199	17	780-CGLYLDQLKPVGSAYKI-796
141 of 199	17	785-DQLKPVGSAYKIITIRY-801
142 of 199	17	791-GSAYKIITIRYSRRVCV-807
143 of 199	17	797-ITIRYSRRVCVQFGEEN-813
144 of 199	17	803-RRVCVQFGEENLCKIID-819
145 of 199	17	809-FGEENLCKIIDMNDCFV-825
146 of 199	17	815-CKIIDMNDCFVSRHVKV-831
147 of 199	17	821-NDCFVSRHVVKCIIGTV-837
148 of 199	17	827-RHVVKCIIGTVSKFSQG-843
149 of 199	17	833-IIGTVSKFSQGDTLLFF-849
150 of 199	17	839-KFSQGDTLLFFGPLEGG-855
151 of 199	17	845-TLLFFGPLEGGGLIFKH-861
152 of 199	16	851-PLEGGGLIFKHWTST-866
153 of 199	16	856-GLIFKHWTSTCQFD-871
154 of 199	16	861-HWCTSTCQFDPGDIM-876
155 of 199	17	866-TCQFGDPGDIMSPRDKG-882
156 of 199	17	872-PGDIMSPRDKGFLCPEF-888
157 of 199	17	878-PRDKGFLCPEFPGSFRK-894
158 of 199	17	884-LCPEFPGSFRKKCNFAT-900
159 of 199	17	890-GSFRKKCNFATTPICEY-906
160 of 199	16	896-CNFAATTTPICEYDGNMV-911
161 of 199	17	901-TPICEYDGNMVSGYKKV-917
162 of 199	16	907-DGNMVSGYKKVMATID-922

Table 1		
Peptide	Length	Sequence
163 of 199	17	912-SGYKKVMMATIDSFQSFN-928
164 of 199	17	918-MATIDSFQSFNTSTMHF-934
165 of 199	17	924-FQSFNTSTMHFTDERIE-940
166 of 199	17	930-STMHFTDERIEWKDPDG-946
167 of 199	17	936-DERIEWKDPDGMLRDHI-952
168 of 199	17	942-KDPDGMLRDHINILVTK-958
169 of 199	17	948-LRDHINILVTKDIDFDN-964
170 of 199	15	954-ILVTKDIDFDNLGEN-968
171 of 199	17	958-KDIDFDNLGENPCKIGL-974
172 of 199	17	964-NLGENPCKIGLQTSSIE-980
173 of 199	17	970-CKIGLQTSSIEGAWGSG-986
174 of 199	17	976-TSSIEGAWGSGVGFTLT-992
175 of 199	17	982-AWGSGVGFTLTCLVSLT-998
176 of 199	17	988-GFTLTCLVSLTECPTFL-1004
177 of 199	16	994-LVSLTECPTFLTSIKA-1009
178 of 199	17	998-TECPTFLTSIKACDKAI-1014
179 of 199	16	1004-LTSIKACDKAICYGAE-1019
180 of 199	17	1009-ACDKAICYGAESVTLTR-1025
181 of 199	17	1015-CYGAESVTLTRGQNTVK-1031
182 of 199	17	1021-VTLTRGQNTVKVSGKGG-1037
183 of 199	17	1026-GQNTVKVSGKGHHGST-1042
184 of 199	17	1032-VSGKGHHGSTFRCCCHG-1048
185 of 199	17	1038-HSGSTFRCCCHGEDCSQI-1054
186 of 199	17	1044-RCCHGEDCSQIGLHAAA-1060
187 of 199	17	1050-DCSQIGLHAAAPHLDKV-1066
188 of 199	17	1056-LHAAAPHLDKVNGISEI-1072
189 of 199	17	1062-HLDKVNGISEIENSKVY-1078
190 of 199	17	1068-GISEIENSKVYDDGAPQ-1084
191 of 199	17	1074-NSKVYDDGAPQCGIKCW-1090
192 of 199	17	1080-DGAPQCGIKCWFKVKS-1096
193 of 199	17	1086-GIKCWFVKSGEWSGIF-1102
194 of 199	17	1092-VKSGEWSGIFSGNWIV-1108
195 of 199	17	1098-ISGIFSGNWIVLIVLCV-1114
196 of 199	17	1104-GNWIVLIVLCVFLLFSL-1120
197 of 199	17	1110-IVLCVFLLFSLVLLSIL-1126
198 of 199	17	1116-LLFSLVLLSILCPVRKH-1132
199 of 199	14	1122-LLSILCPVRKHKK-1135

Table 2			
Peptide	Solubility	Solvent	Reconstitution pH, if required
1 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
2 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
3 of 199	1 mg/mL	Water	
4 of 199	1 mg/mL	Water	
5 of 199	1 mg/mL	Water	
6 of 199	1 mg/mL	Water	
7 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
8 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
9 of 199	1 mg/mL	Water	
10 of 199	1 mg/mL	Water	
11 of 199	1 mg/mL	Water	
12 of 199	1 mg/mL	Water	
13 of 199	1 mg/mL	Water	
14 of 199	1 mg/mL	Water	
15 of 199	1 mg/mL	Water	
16 of 199	1 mg/mL	Water	
17 of 199	1 mg/mL	Water	
18 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
19 of 199	1 mg/mL	Water	
20 of 199	1 mg/mL	Water	
21 of 199	1 mg/mL	Water	
22 of 199	1 mg/mL	Water	
23 of 199	1 mg/mL	Water	
24 of 199	1 mg/mL	Water	
25 of 199	1 mg/mL	Water	
26 of 199	1 mg/mL	Water	
27 of 199	1 mg/mL	Water	
28 of 199	1 mg/mL	Water	
29 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
30 of 199	1 mg/mL	Water	
31 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
32 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
33 of 199	1 mg/mL	Water	
34 of 199	1 mg/mL	Water	
35 of 199	1 mg/mL	Water	
36 of 199	1 mg/mL	Water	
37 of 199	1 mg/mL	20% acetonitrile in water	pH 6
38 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
39 of 199	1 mg/mL	Water	
40 of 199	1 mg/mL	Water	
41 of 199	1 mg/mL	Water	
42 of 199	1 mg/mL	Water	
43 of 199	1 mg/mL	Water	
44 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11

**Table 2**

Peptide	Solubility	Solvent	Reconstitution pH, if required
45 of 199	1 mg/mL	Water	
46 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
47 of 199	1 mg/mL	Water	
48 of 199	1 mg/mL	Water	
49 of 199	1 mg/mL	Water	
50 of 199	1 mg/mL	Water	
51 of 199	1 mg/mL	Water	
52 of 199	1 mg/mL	Water	
53 of 199	1 mg/mL	Water	
54 of 199	1 mg/mL	Water	
55 of 199	1 mg/mL	Water	
56 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
57 of 199	1 mg/mL	10% acetonitrile in water	pH 6
58 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
59 of 199	1 mg/mL	Water	
60 of 199	1 mg/mL	Water	
61 of 199	1 mg/mL	Water	
62 of 199	1 mg/mL	Water	
63 of 199	1 mg/mL	Water	
64 of 199	1 mg/mL	Water	
65 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
66 of 199	1 mg/mL	Water	
67 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
68 of 199	1 mg/mL	Water	
69 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
70 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
71 of 199	1 mg/mL	Water	
72 of 199	1 mg/mL	Water	
73 of 199	1 mg/mL	Water	
74 of 199	1 mg/mL	Water	
75 of 199	1 mg/mL	Water	
76 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
77 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
78 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
79 of 199	1 mg/mL	Water	
80 of 199	1 mg/mL	Water	
81 of 199	1 mg/mL	30% formic acid and 30% acetonitrile in water	pH 1
82 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
83 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
84 of 199	1 mg/mL	Water	
85 of 199	1 mg/mL	Water	
86 of 199	1 mg/mL	Water	
87 of 199	1 mg/mL	30% formic acid and 30% acetonitrile in water	pH 1
88 of 199	1 mg/mL	50% formic acid in water	pH 1

Table 2			
Peptide	Solubility	Solvent	Reconstitution pH, if required
89 of 199	1 mg/mL	50% formic acid in water	pH 1
90 of 199	1 mg/mL	Water	
91 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
92 of 199	1 mg/mL	Water	
93 of 199	1 mg/mL	Water	
94 of 199	1 mg/mL	Water	
95 of 199	1 mg/mL	Water	
96 of 199	1 mg/mL	Water	
97 of 199	1 mg/mL	Water	
98 of 199	1 mg/mL	Water	
99 of 199	1 mg/mL	Water	
100 of 199	1 mg/mL	Water	
101 of 199	1 mg/mL	Water	
102 of 199	1 mg/mL	Water	
103 of 199	1 mg/mL	Water	
104 of 199	1 mg/mL	Water	
105 of 199	1 mg/mL	Water	
106 of 199	1 mg/mL	Water	
107 of 199	1 mg/mL	Water	
108 of 199	1 mg/mL	Water	
109 of 199	1 mg/mL	Water	
110 of 199	1 mg/mL	Water	
111 of 199	1 mg/mL	Water	
112 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
113 of 199	1 mg/mL	50% formic acid in water	pH 1
114 of 199	1 mg/mL	20% acetonitrile in water	pH 6
115 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
116 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
117 of 199	1 mg/mL	Water	
118 of 199	1 mg/mL	Water	
119 of 199	1 mg/mL	Water	
120 of 199	1 mg/mL	Water	
121 of 199	1 mg/mL	Water	
122 of 199	1 mg/mL	Water	
123 of 199	1 mg/mL	Water	
124 of 199	1 mg/mL	Water	
125 of 199	1 mg/mL	Water	
126 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
127 of 199	1 mg/mL	Water	
128 of 199	1 mg/mL	Water	
129 of 199	1 mg/mL	Water	
130 of 199	1 mg/mL	Water	
131 of 199	1 mg/mL	Water	
132 of 199	1 mg/mL	Water	

**Table 2**

Peptide	Solubility	Solvent	Reconstitution pH, if required
133 of 199	1 mg/mL	Water	
134 of 199	1 mg/mL	Water	
135 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
136 of 199	1 mg/mL	Water	
137 of 199	1 mg/mL	Water	
138 of 199	1 mg/mL	Water	
139 of 199	1 mg/mL	Water	
140 of 199	1 mg/mL	Water	
141 of 199	1 mg/mL	Water	
142 of 199	1 mg/mL	Water	
143 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
144 of 199	1 mg/mL	Water	
145 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
146 of 199	1 mg/mL	Water	
147 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
148 of 199	1 mg/mL	Water	
149 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
150 of 199	1 mg/mL	Water	
151 of 199	1 mg/mL	Water	
152 of 199	1 mg/mL	Water	
153 of 199	1 mg/mL	Water	
154 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
155 of 199	1 mg/mL	Water	
156 of 199	1 mg/mL	Water	
157 of 199	1 mg/mL	Water	
158 of 199	1 mg/mL	Water	
159 of 199	1 mg/mL	Water	
160 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
161 of 199	1 mg/mL	Water	
162 of 199	1 mg/mL	Water	
163 of 199	1 mg/mL	Water	
164 of 199	1 mg/mL	Water	
165 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
166 of 199	1 mg/mL	Water	
167 of 199	1 mg/mL	Water	
168 of 199	1 mg/mL	Water	
169 of 199	1 mg/mL	Water	
170 of 199	1 mg/mL	Water	
171 of 199	1 mg/mL	Water	
172 of 199	1 mg/mL	Water	
173 of 199	1 mg/mL	Water	
174 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
175 of 199	1 mg/mL	30% formic acid and 30% acetonitrile in water	pH 1
176 of 199	1 mg/mL	50% formic acid in water	pH 1

<b>Table 2</b>			
<b>Peptide</b>	<b>Solubility</b>	<b>Solvent</b>	<b>Reconstitution pH, if required</b>
177 of 199	1 mg/mL	Water	
178 of 199	1 mg/mL	Water	
179 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
180 of 199	1 mg/mL	Water	
181 of 199	1 mg/mL	Water	
182 of 199	1 mg/mL	Water	
183 of 199	1 mg/mL	Water	
184 of 199	1 mg/mL	Water	
185 of 199	1 mg/mL	Water	
186 of 199	1 mg/mL	Water	
187 of 199	1 mg/mL	Water	
188 of 199	1 mg/mL	Water	
189 of 199	1 mg/mL	Water	
190 of 199	1 mg/mL	Water	
191 of 199	1 mg/mL	50% formic acid in acetonitrile	pH 1
192 of 199	1 mg/mL	Water	
193 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
194 of 199	1 mg/mL	Water	
195 of 199	1 mg/mL	50% formic acid in acetonitrile	pH 1
196 of 199	1 mg/mL	50% formic acid in water	pH 1
197 of 199	1 mg/mL	50% formic acid in water	pH 1
198 of 199	1 mg/mL	5% ammonium hydroxide in water	pH 11
199 of 199	1 mg/mL	Water	