

Centre for AIDS Reagents

Data Sheet

REPOSITORY REFERENCE:	ARP7127.1-129
NAME:	HIV-1 Group M Consensus Gag Peptides Set
CHARACTERISTICS:	Series of peptides comprising the Group M Consensus Gag region. Most of the peptides are 15 amino acids in length, with 11-amino acid overlaps between sequential peptides. Most peptides are >80% pure. Peptides that are difficult to solubilize 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.
PRESENTATION:	129 vials, 1.0 mg. each, lyophilized.
SOLUBILITY:	See table below. Peptides that are difficult to solubilize 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.
SOURCE:	DAIDS, NIAID.
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgement” section at:- www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy.

HIV-1 Group M Consensus Gag Peptides Set (NIH Cat# 11057)

#	Peptide Sequence	Lot #	Molecular Weight	Purity	Solubility
1	MGARASVLSGGK LDA	303877	1432.6	92.8%	50%A*+50%B**
2	ASVLSGGK LDAWEKI	303878	1573.8	90.7%	50%A*+50%B**
3	SGGK LDAWEKIRLRP	303879	1726	96.6%	50%A*+50%B**
4	LDAWEKIRLRP GGKK	303880	1767.1	95.3%	50%A*+50%B**
5	EKIRLRP GGKKKYRL	303881	1842.3	92.1%	50%A*+50%B**
6	LRP GGKKKYRLKHLV	303882	1793.3	94.4%	50%A*+50%B**
7	GKKKYRLKHLVWASR	303883	1870.3	91.7%	50%A*+50%B**
8	YRLKHLVWASRELER	303884	1956.3	92.1%	50%A*+50%B**
9	HLVWASRELERFALN	303885	1841.1	92.7%	50%A*+50%B**
10	ASRELERFALNPGLL	303886	1685.9	93.1%	50%A*+50%B**
11	LERFALNPGLLETS	303887	1559.8	90.9%	50%A*+50%B**
12	FALNPGLLETSEGCK	303888	1578.8	91.7%	50%A*+50%B**
13	PGLLETSEGCKQIIG	303889	1544.8	93%	50%A*+50%B**
14	ETSEGCKQIIGQLQP	303890	1630.8	95%	DMSO
15	GCKQIIGQLQPALQT	303891	1597.9	91.6%	50%A*+50%B**
16	IIGQLQPALQTGS	303892	1325.5	90.1%	50%A*+50%B**
17	GQLQPALQTGSEELR	303893	1626.8	94.4%	50%A*+50%B**
18	PALQTGSEELRSLYN	303894	1677.9	92.1%	50%A*+50%B**
19	TGSEELRSLYNTVAT	303895	1640.8	90.9%	50%A*+50%B**
20	ELRSLYNTVATLYCV	303896	1745	91.3%	50%A*+50%B**
21	LYNTVATLYCVHQRI	303897	1794.1	90.8%	50%A*+50%B**

#	Peptide Sequence	Lot #	Molecular Weight	Purity	Solubility
22	(14-mer) VATLYCVHQRIEVK	303898	1659	96.3%	50%A*+50%B**
23	(14-mer) LYCVHQRIEVKDTK	303899	1732.1	94.6%	50%A*+50%B**
24	(14-mer) VHQRIEVKDTKEAL	303900	1665.9	90.7%	50%A*+50%B**
25	(14-mer) RIEVKDTKEALEKI	303901	1672	90.3%	50%A*+50%B**
26	VKDTKEALEKIEEEQ	303902	1789	94.4%	50%A*+50%B**
27	KEALEKIEEEQNKSQ	303903	1803	95.9%	50%A*+50%B**
28	EKIEEEQNKSQKKTQ	303904	1847	96%	50%A*+50%B**
29	EEQNKSQKTQAAA	303905	1688.8	91.9%	DMSO
30	KSQKKTQAAADKGN	303906	1602.7	92.3%	50%A*+50%B**
31	KTQAAADKGNSSKV	303907	1532.7	90.8%	50%A*+50%B**
32	AAADKGNSSKVSQNY	303908	1539.6	91.8%	50%A*+50%B**
33	KGNSKVSQNYPIVQ	303909	1648.9	97.2%	50%A*+50%B**
34	SKVSQNYPIVQNLQG	303910	1674.9	97.7%	50%A*+50%B**
35	SQNYPIVQNLQGQMV	303911	1719	93.3%	DMSO
36	PIVQNLQGQMVHQAI	303912	1676	91.1%	50%A*+50%B**
37	NLQGQMVHQAI SPRT	303913	1679.7	93%	50%A*+50%B**
38	GQMVHQAI SPRTLNA	303914	1622.9	94.9%	50%A*+50%B**
39	HQAI SPRTLNAWVKV	303915	1720	92.6%	50%A*+50%B**
40	SPRTLNAWVKVIEEK	303916	1770.1	95.6%	50%A*+50%B**
41	LNAWVKVIEEKAFSP	303917	1731	95.2%	50%A*+50%B**
42	VKVIEEKAFSPEVIP	303918	1685	95.7%	50%A*+50%B**
43	EEKAFSPEVIPMFSA	303919	1681.9	97%	50%A*+50%B**
44	FSPEVIPMFSA LSEG	303920	1610.9	97.5%	50%A*+50%B**

#	Peptide Sequence	Lot #	Molecular Weight	Purity	Solubility
45	VIPMFALSEGATPQ	303921	1547.8	96.2%	50%A*+50%B**
46	FALSEGATPQDLNT	303922	1550.7	93%	50%A*+50%B**
47	SEGATPQDLNTMLNT	303923	1591.7	90.9%	50%A*+50%B**
48	TPQDLNTMLNTVGGH	303924	1597.8	96.4%	50%A*+50%B**
49	LNTMLNTVGGHQAAM	303925	1557.8	91.4%	50%A*+50%B**
50	LNTVGGHQAAMQLK	303926	1598.9	90.8%	50%A*+50%B**
51	GGHQAAMQLKDTIN	303927	1614.9	90.9%	50%A*+50%B**
52	AAMQLKDTINEEAA	303928	1635.9	94.6%	50%A*+50%B**
53	MLKDTINEEAAEWDR	303929	1821	93.5%	50%A*+50%B**
54	TINEEAAEWDRLHPV	303930	1780	90.5%	50%A*+50%B**
55	EAAEWDRLHPVHAGP	303931	1684.8	97.8%	50%A*+50%B**
56	WDRLHPVHAGPIPPG	303932	1648.9	98.3%	50%A*+50%B**
57	(14-mer) HPVHAGPIPPGQMR	303933	1493.8	95.7%	50%A*+50%B**
58	HAGPIPPGQMREPRG	303934	1599.8	96.9%	50%A*+50%B**
59	IPPGQMREPRGSDIA	303935	1623.8	93.3%	50%A*+50%B**
60	GQMREPRGSDIAGTT	303936	1575.7	93.2%	50%A*+50%B**
61	EPRGSDIAGTTSTLQ	303937	1532.6	90.5%	50%A*+50%B**
62	SDIAGTTSTLQEQIA	303938	1534.6	95.8%	50%A*+50%B**
63	GTTSTLQEQIAWMTS	303939	1653.8	91.5%	50%A*+50%B**
64	TLQEQIAWMTSNPPI	303940	1729	92.9%	50%A*+50%B**
65	EQIAWMTSNPIPVG	303941	1639.9	91.2%	50%A*+50%B**
66	WMTSNPIPVGGEIYK	303942	1732.1	90.8%	50%A*+50%B**
67	NPIPVGGEIYKRWII	303943	1795.2	94.5%	50%A*+50%B**
68	PVGEIYKRWIILGLN	303944	1771.2	94.3%	50%A*+50%B**

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#	Peptide Sequence	Lot #	Molecular Weight	Purity	Solubility
69	IYKRWILGLNKIVR	303945	1888.4	90.2%	50%A*+50%B**
70	WILGLNKIVRMYSIP	303946	1803.2	92.9%	DMSO
71	GLNKIVRMYSIPVIL	303947	1690.1	91.3%	50%A*+50%B**
72	IVRMYSIPVILDIRQ	303948	1790.2	90.6%	50%A*+50%B**
73	YSPVILDIRQGPK	303949	1572.8	94.4%	50%A*+50%B**
74	VILDIRQGPKPFRR	303950	1755.1	95.3%	50%A*+50%B**
75	DIRQGPKPFRRDYV	303951	1719.9	99.5%	50%A*+50%B**
76	RQGPKPFRRDYVDRF	303952	1910.1	94.3%	50%A*+50%B**
77	KPFRRDYVDRFFKTL	303953	1961.3	92.4%	50%A*+50%B**
78	RDYVDRFFKTLRAEQ	303954	1944.2	91.4%	50%A*+50%B**
79	(14-mer) DRFFKTLRAEQATQ	303955	1710.9	90.6%	50%A*+50%B**
80	FKTLRAEQATQDVKN	303956	1749	93%	50%A*+50%B**
81	RAEQATQDVKNWMT	303957	1677.9	90.9%	50%A*+50%B**
82	EQATQDVKNWMTDTL	303958	1780	91.2%	50%A*+50%B**
83	TQDVKNWMTDTLLVQ	303959	1792.1	90.2%	50%A*+50%B**
84	KNWMTDTLLVQANP	303960	1745	95.4%	50%A*+50%B**
85	TDLLVQANPDCCKT	303961	1632.8	90.3%	50%A*+50%B**
86	LVQANPDCCKTILKA	303962	1627.9	90.6%	50%A*+50%B**
87	ANPDCCKTILKALGPG	303963	1497.8	96%	50%A*+50%B**
88	CKTILKALGPGATL	303964	1385.7	90.9%	50%A*+50%B**
89	ILKALGPGATLEEMM	303965	1573.9	90.9%	50%A*+50%B**
90	LGPGATLEEMMTACQ	303966	1551.8	96.7%	50%A*+50%B**
91	ATLEEMMTACQGVGG	303967	1497.7	95%	DMSO
92	EMMTACQGVGGPGHK	303968	1502.8	90.9%	50%A*+50%B**

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93	ACQGVGGPGHKARVL	303969	1449.7	97.9%	50%A*+50%B**
94	VGGPGHKARVLAEAM	303970	1492.7	92.4%	50%A*+50%B**
95	GHKARVLAEAMSQVT	303971	1597.9	92.1%	50%A*+50%B**
96	RVLAEAMSQVTNAAI	303972	1573.9	98.1%	50%A*+50%B**
97	EAMSQVTNAAIMMQR	303973	1681	91.3%	50%A*+50%B**
98	SQVTNAAIMMQRGNF	303974	1667.9	90.1%	DMSO
99	NAAIMMQRGNFKGQR	303975	1722	98.3%	50%A*+50%B**
100	MMQRGNFKGQRRIK	303976	1863.3	93.1%	50%A*+50%B**
101	GNFKGQRRIKCFN	303977	1681	90.8%	50%A*+50%B**
102	KGQRRIKCFNCGK	303978	1651.1	90.4%	50%A*+50%B**
103	RRIKCFNCGKEGHI	303979	1774.2	90.9%	50%A*+50%B**
104	KCFNCGKEGHIARN	303980	1576.8	95.9%	50%A*+50%B**
105	NCGKEGHIARNCRAP	303981	1625.8	98%	50%A*+50%B**
106	EGHIARNCRAPRKKG	303982	1692.9	92.3%	50%A*+50%B**
107	ARNCRAPRKKGCWK	303983	1674	91.3%	50%A*+50%B**
108	CRAPRKKGCWKCGK	303984	1621.1	90.7%	50%A*+50%B**
109	PRKKGWCWKCGKEGHQ	303985	1742.1	90.4%	50%A*+50%B**
110	GCWKCGKEGHQMK	303986	1491.8	92.6%	50%A*+50%B**
111	WKCCKEGHQMKDCT	303987	1650.9	92%	50%A*+50%B**
112	GKEGHQMKDCTERQA	303988	1717.9	90.4%	50%A*+50%B**
113	HQMKDCTERQANFLG	303989	1778	90.6%	50%A*+50%B**
114	DCTERQANFLGKIWP	303990	1778	91.4%	50%A*+50%B**
115	RQANFLGKIWPSNKG	303991	1715.9	93.3%	50%A*+50%B**
116	FLGKIWPSNKGPRGN	303992	1671	90.7%	50%A*+50%B**

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#	Peptide Sequence	Lot #	Molecular Weight	Purity	Solubility
117	IWPSNKGRPGNFLQS	303993	1700.9	96.2%	50%A*+50%B**
118	NKGRPGNFLQSRPEP	303994	1696.9	91.1%	50%A*+50%B**
119	PGNFLQSRPEPTAPP	303995	1607.8	96.4%	50%A*+50%B**
120	LQSRPEPTAPPAESF	303996	1626.8	91.2%	50%A*+50%B**
121	PEPTAPPAESFGFG	303997	1403.5	95.2%	50%A*+50%B**
122	TAPPAESFGFGEEIT	303998	1552.7	91.6%	50%A*+50%B**
123	AESFGFGEEITPSPK	303999	1595.8	90.6%	50%A*+50%B**
124	GFGEEITPSPKQEPK	304000	1643.8	92.7%	50%A*+50%B**
125	EITPSPKQEPKDKEP	304001	1722.9	92.6%	50%A*+50%B**
126	SPKQEPKDKEPPLTS	304002	1680.9	91.5%	50%A*+50%B**
127	EPKDKEPPLTSLKSL	304003	1682	91.3%	50%A*+50%B**
128	KEPPLTSLKSLFGN	304004	1530.8	90.6%	50%A*+50%B**
129	PLTSLKSLFGNDPLS	304005	1588.8	90.1%	50%A*+50%B**