

**Centre for AIDS Reagents**

**Data Sheet**

<b>NAME:</b>	HIV-1 (96ZM651.8) Gag Peptides Complete Set
<b>REPOSITORY REFERENCE:</b>	<b>ARP7116.1-49</b>
<b>CHARACTERISTICS:</b>	Series of peptides comprising the HIV-1 subtype C (96ZM651.8) Gag region. Most of the peptides are 20 amino acids in length with 10-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.
<b>PRESENTATION:</b>	49 vials, 1.0mg each
<b>SOURCE:</b>	DAIDS, NIAID. (Courtesy of the NIH AIDS Research & Reference Reagent Program)
<b>ACKNOWLEDGEMENTS:</b>	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:-  <a href="http://www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx">www.nibsc.ac.uk/spotlight/centre_for_aids_reagents.aspx</a>  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.

**SEQUENCE:**

<b>CFAR Cat #</b>	<b>NIH Cat #</b>	<b>HPLC Purity</b>	<b>Peptide Content</b>	<b>Peptide Sequence</b>	<b>Solubility Data</b>
ARP7116.1	3723	> 75.0%	75.00%	MGARASILRGGKLDKWEKIR	Dissolve 1mg of peptide in 1ml water
ARP7116.2	3724	> 75.0%	70.71%	GKLDKWEKIRLRPGGKKRYM	Dissolve 1mg of peptide in 1ml water
ARP7116.3	3725	> 75.0%	71.50%	LRPGGKKRYMIKHLVWASRE	Dissolve 1mg of peptide in 1ml water
ARP7116.4	3726	> 75.0%	71.50%	IKHLVWASRELERFALNPGL	Dissolve 1mg of peptide in 1ml water
ARP7116.5	3727	> 75.0%	67.70%	LERFALNPGLLETSEGCKQI	Dissolve 1mg of peptide in 1ml water
ARP7116.6	3728	> 95.0%	83.60%	LETSEGCKQIMKQLQPALQT	Dissolve 1mg of peptide in 1ml water
ARP7116.7	3729	> 75.0%	69.80%	MKQLQPALQTGTEELRSLYN	Dissolve 1mg of peptide in 1ml water
ARP7116.8	3730	> 75.0%	70.70%	GTEELRSLYNTVATLYCVHE	Dissolve 1mg of peptide in 1ml of 1:1:1 CH <sub>3</sub> CN/H <sub>2</sub> O/NH <sub>4</sub> OH
ARP7116.9	3731	> 75.0%	71.80%	TVATLYCVHEGVEVRDTKEA	Dissolve 1mg of peptide in 1ml water
ARP7116.10	3732	> 75.0%	84.50%	GVEVRDTKEALDRIIEEQNK	Dissolve 1mg of peptide in 1ml water
ARP7116.11	3733	> 75.0%	71.40%	LDRIEEQNKIQQKIQQKTQ	Dissolve 1mg of peptide in 1ml water
ARP7116.12	3734	> 75.0%	71.30%	IQQKIQQKTQQAADGKVSQ	Dissolve 1mg of peptide in 1ml of 10% CH <sub>3</sub> CN/water
ARP7116.13	3735	> 75.0%	77.10%	QAADGKVSQNYPIVQNLQG	Dissolve 1mg of peptide in 1ml of 20% CH <sub>3</sub> CN/water
ARP7116.14	3736	> 75.0%	73.50%	NYPIVQNLQGQMVHQLSPR	Dissolve 1mg of peptide in 1ml water
ARP7116.15	3737	> 90.0%	72.30%	QMVHQLSPRTLNAWVKVIE	Dissolve 1mg of peptide in 1ml water
ARP7116.16	3738	> 75.0%	69.30%	TLNAWVKVIEEKAFSPEVIP	Dissolve 1mg of peptide in 1ml water
ARP7116.17	3739	> 90.0%	74.00%	EKAFSPEVIPMFTALSEGAT	Dissolve 1mg of peptide in 1ml water
ARP7116.18	3740	> 95.0%	72.60%	MFTALSEGATPQDLNMLNT	Dissolve 1mg of peptide in 1ml water

**National Institute for Biological Standards and Control – Assuring the quality of biological medicines**

Blanche Lane South Mimms Potters Bar Hertfordshire EN6 3QG United Kingdom

Tel +44 (0)1707 641000 Fax +44 (0)1707 641050 [www.nibsc.ac.uk](http://www.nibsc.ac.uk)

A World Health Organization Laboratory for Biological Standards

CFAR Cat #	NIH Cat #	HPLC Purity	Peptide Content	Peptide Sequence	Solubility Data
ARP7116.19	3741	>75%	66.2%	PQDLNTMLNTVGGHQAAMQM	Dissolve 1mg of peptide in 10ml of 30% Acetic Acid/water
ARP7116.20	3742	>90%	80.1%	VGGHQAAMQMLKDTINEEAA	Dissolve 1mg of peptide in 1ml water
ARP7116.21	3743	>80	85%	LKDTINEEAAEWDR LHPVHA	Dissolve 1mg of peptide in 1ml water
ARP7116.22	3744	>90%	82.6%	EWDR LHPVHAGPIAPGQMRE	Dissolve 1mg of peptide in 1ml water
ARP7116.23	3745	>90%	75.1%	GPIAPGQMREPRGSDIAGTT	Dissolve 1mg of peptide in 1ml water
ARP7116.24	3746	84.9%	85%	PRGSDIAGTTSTLQEQIAWM	Dissolve 1mg of peptide in 1ml of 10% CH <sub>3</sub> CN/water
ARP7116.25	3747	75%	77.0%	STLQEQIAWMTSNPPIVGD	Dissolve 1mg of peptide in 1ml of 20% CH <sub>3</sub> CN/water
ARP7116.26	3748	>90%	83.3%	TSNPPIVGD IYKRW IILGL	Dissolve 1mg of peptide in 1ml of 20% CH <sub>3</sub> CN/water
ARP7116.27	3749	90.0%	78%	IYKRW IILGLNKIVRMYS PV	Dissolve 1mg of peptide in 1ml water
ARP7116.28	3750	> 75.0%	90.50%	NKIVRMYS PVSILD IKGPK	Dissolve 1mg of peptide in 1ml water
ARP7116.29	3751	>75%	69.1%	SILD IKGPK EFRDYVDRF	Dissolve 1mg of peptide in 1ml water
ARP7116.30	3752	>90%	83.3%	EFDRDYVDRFFKTLRAEQAT	Dissolve 1mg of peptide in 1ml water
ARP7116.31	3753	>80%	95%	FKTLRAEQATQEVKNWMTDT	Dissolve 1mg of peptide in 1ml water
ARP7116.32	3754	> 75.0%	67.10%	QEVKNWMTDTLLVQNA	Dissolve 1mg of peptide in 1ml water
ARP7116.33	3755	>75%	67.90%	LLVQNaNPDCKTILKALGPG	Dissolve 1mg of peptide in 1ml water
ARP7116.34	3756	>75%	60.00%	KTILKALGPGATLEEMMTAC	Dissolve 1mg of peptide in 1ml water
ARP7116.35	3757	> 75.0%	92.10%	ATLEEMMTACQGVGGPSHKA	Dissolve 1mg of peptide in 1ml water
ARP7116.36	3758	> 75.0%	77.10%	QGVGGPSHKARVLAEAMSQT	Dissolve 1mg of peptide in 1ml water
ARP7116.37	3759	> 75.0%	96.60%	RVLAEAMSQTNSVNILMQK	Dissolve 1mg of peptide in 1ml of 10% CH <sub>3</sub> CN/water

**National Institute for Biological Standards and Control – Assuring the quality of biological medicines**

Blanche Lane South Mimms Potters Bar Hertfordshire EN6 3QG United Kingdom  
Tel +44 (0)1707 641000 Fax +44 (0)1707 641050 www.nibsc.ac.uk  
A World Health Organization Laboratory for Biological Standards

CFAR Cat #	NIH Cat #	HPLC Purity	Peptide Content	Peptide Sequence	Solubility Data
ARP7116.38	3760	>90%	75.40%	TNSVNILMQKSNFKGNKRMV	Dissolve 1mg of peptide in 1ml water
ARP7116.39	3761	> 75.0%	70.50%	SNFKGNKRMVKCFNCGKEGH	Dissolve 1mg of peptide in 1ml water
ARP7116.40	3762	>90%	78.60%	KCFNCGKEGHIARNCRAPRK	Dissolve 1mg of peptide in 1ml water
ARP7116.41	3763	>80%	80%	IARNCRAPRKKGCWKCGKEG	Dissolve 1mg of peptide in 1ml water
ARP7116.42	3764	> 75.0%	82.40%	KGCWKCGKEGHQMKDCTERQ	Dissolve 1mg of peptide in 1ml water
ARP7116.43	3765	>90%	84.40%	HQMKDCTERQANFLGKIWPS	Dissolve 1mg of peptide in 1ml water
ARP7116.44	3766	>80%	85%	ANFLGKIWPSHKGRPGNFLQ	Dissolve 1mg of peptide in 1ml water
ARP7116.45	3767	>75%	70.7%	HKGRPGNFLQNRPEPTAP	Dissolve 1mg of peptide in 1ml water
ARP7116.46	3768	>90%	63.6%	NRPEPTAPPAESFRFEE	Dissolve 1mg of peptide in 1ml water
ARP7116.47	3769	>80%	85%	PAESFRFEETTPAPKQESK	Dissolve 1mg of peptide in 1ml water
ARP7116.48	3770	> 75.0%	61.80%	TTPAPKQESKDREALTSL	Dissolve 1mg of peptide in 1ml water
ARP7116.49	3771	> 75.0%	62.90%	DREALTSLKSLFGSDPLSQ	Dissolve 1mg of peptide in 1ml water