

Centre for AIDS Reagents

Data Sheet

NAME: HIV-1 Isolates (See table below)

REPOSITORY REFERENCE: **ARP1058-1068**

NOTE: These isolates are also available in an International Panel of 60 HIV-1 Isolates directly from the NIH AIDS Research and Reference Reagent Program, USA (Cat No. 11412).

DESCRIPTION: These selected isolates are from an International Panel of HIV-1 virus isolates representing six major globally prevalent strains of genetically and biologically characterized HIV-1 isolates (Brown, BK et al, *J Virology* **79**(10): 6089, 2005) consists of 11 viruses each from chronically infected individuals of clades A, B, C, D and circulating recombinant forms, CRF01_AE and CRF02_AG. This panel consists of 49 nonsyncytium-inducing virus isolates that use CCR5 as a major coreceptor and 11 syncytium-inducing isolates that use only CXCR4 or both co-receptors, and contains both neutralization-sensitive and resistant isolates. This collection provides an important resource for standardization of immunogenicity assessment in HIV-1 vaccine trials.

CELLS FOR PROPAGATING: Human PBMCs

PRESENTATION: Cell-free virus supernatant from co-cultivation with normal human PBMCs.

Catalogue Number	Clade/CRF	Isolate Laboratory ID (Reference ID)	Accession Number	Syncytium Induction	Co-receptor	Reagent Contributor
ARP1058	A	KER2018 (00KE_KER2018)	AF457057	NSI	R5	Dr. Victoria Polonis
ARP1059	A	KNH1144 (00KE_KNH1144)	AF47066	NSI	R5	Dr. Victoria Polonis
ARP1060	B	BX08(92FR_BX08) (BX08)	AY713411	NSI	R5	Dr. Victoria Polonis
ARP1061	C	PBL286(696) (02ET_14)	AY255825	NSI	R5	Dr. Victoria Polonis
ARP1062	C	PBL288(411) (02ET_288)	AY713417	NSI	R5	Dr. Victoria Polonis
ARP1063	C	TZBD9/11 (01TZ_911)	AY253322	NSI	R5	Dr. Victoria Polonis
ARP1064	D	J32228M4 (00UG_J32228M4)	AF484516	NSI	R5	Dr. Victoria Polonis
ARP1065	D	NKU3006 (00KE_NKU3006)	AF475090	NSI	R5	Dr. Victoria Polonis
ARP1066	CRF02_AG	CAM0002BBY (01CM_0002BBY)	AY371122	NSI	R5	Dr. Victoria Polonis
ARP1067	CRF02_AG	CAM0013BBY (02CM_0013BBY)	AY371125	NSI	R5	Dr. Victoria Polonis
ARP1068	CRF02_AG	CAM1970LE (02CM_1970LE)	AY371128	NSI	R5	Dr. Victoria Polonis

REFERENCES:

Brown, B.K., Darden, J.M., Tovanabutra, S., Oblander, T., Frost, J., Sanders-Buell, E., de Sousa, M.S., Birx, D.L., McCutchan, F.E. and Polonis, V.R. Biologic and Genetic Characterization of a Panel of 60 Human Immunodeficiency Virus Type 1 Isolates, Representing Clades A, B, C, D, CRF01_AE, and CRF02_AG, for the Development and Assessment of Candidate Vaccines. *J. Virology* **79**(10): 6089-6101, 2005.

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)