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A centre of the Health Protection Agency

Centre for AIDS Reagents.

Data Sheet

Health Protection Agency

NAME:	HXB2-env
REPOSITORY REFERENCE:	ARP 2021
PROVIDED:	1 ml of transformed bacteria
BACTERIAL HOST:	HB101. Other bacterial strains should also be successful
CLONING SITE:	5' Smal – 3' Sall
SOURCE OF PROVIRUS:	HIV-1 plasmid pHXB2gpt (Dr. A. Fisher and Dr. F. Wong-Staal). The 5' Sacl insert site was filled in and fused to the pSV7d Smal site. The 3'Xhol insert site was ligated to the Sall site of pSV7d.
DESCRIPTION:	Contains a 2897 bp 5' Sacl – 3' Xhol HXB2 env fragment from pHXB2gpt (env coding sequences are nt 6224 – 8794). HIV-1 gp 160 is expressed from an SV40 promoter. No other HIV gene products are expressed. Ampicillin-resistant vector.
SPECIAL CHARACTERISTICS:	SV40 origin provides high levels of gp 160 expression in COS cells. Expression is rev-dependent and transient. This expression vector has been used with HIV-gpt to cotransfect COS cells, producing infectious HIV virions.
STORAGE:	-70°C

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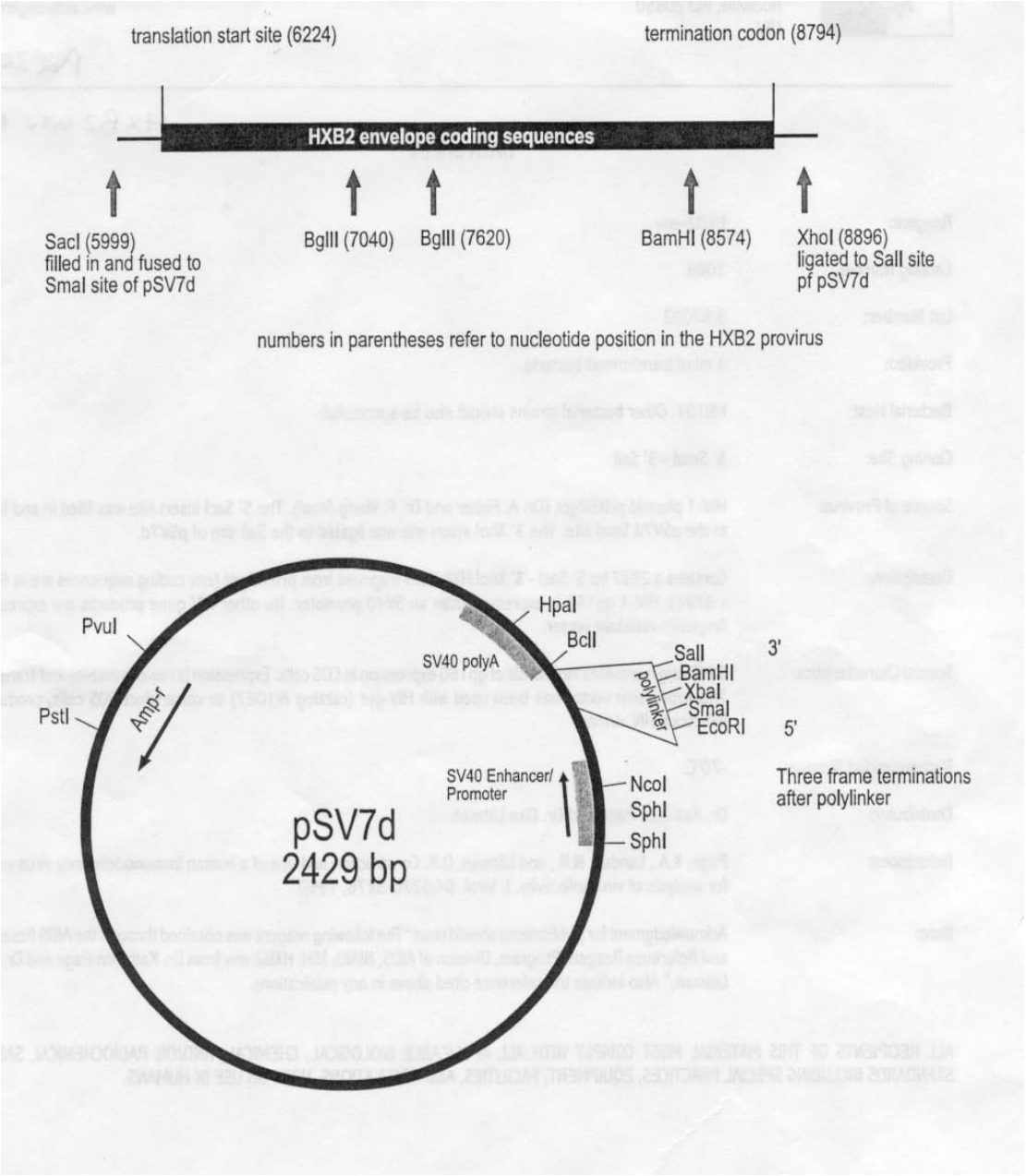
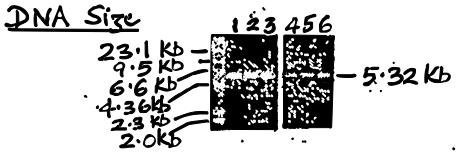
SOURCE:	Dr Kathleen Page and Dr. Dan Littman (courtesy of NIH AIDS Research and reference Reagent Programme.)
REFERENCE:	Page KA, Landau NR and Littman DR. Construction and use of a human immunodeficiency virus vector for analysis of virus infectivity. J.Virol. **64:**5270-5276, 1990
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the "Acknowledgements" section. 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)





1. Plasmids Derived From pHXB2-env Expanded Stock.
A pHXB2-env colony was expanded in broth culture and 100 vials of frozen glycerol Stock of the plasmid-bearing bacterial strain were preparcd. Isolated colonies derived from 3 vials of the glycerol stock were analyzed for the presence of pHXB2-env plasmid DNA.

The outermost lane of the agarose gel contains λ DNA (*Hind*III cut) markers. *Sal* I + *Eco*RI cut plasmid DNA derived from the 3 vials are shown in lanes 1-3, while, *Eco*RI cut plasmid DNA from the 3 vials are shown in lanes 4-6.