

Data Sheet

NAME :	HeLa-CD4-LTR- β -gal
REPOSITORY REFERENCE :	ARP055
SPECIES/TYPE:	Human cervical epithelial carcinoma. HeLa cells were infected with a retroviral vector expressing CD4. Cells were sorted for high CD4 expression . One clone was stably transfected with a truncated HIV-1 LTR- β -gal plasmid containing a hygromycin resistance gene. Morphology is variable.
SPECIAL CHARACTERISTICS :	Expresses high levels of CD4 but are not derived from HT-6C or HeLa 74T. HeLa-CD4-LTR- β -gal cells contain one integrated copy of the HIV-1 LTR (nt-138 through +80) linked to the β -galactosidase gene. Titres of HIV-1 and HIV-2 viral stocks can be determined by infecting this cell line and staining for β -gal expression. Some patient isolates will infect this cell line.
CULTURE MEDIUM :	DMEM, 90% Foetal calf serum, 10% G418, 0.2mg/ml hygromycin B, 0.1mg/ml. Passage every 5-7 days by splitting 1:10 to 1:30. Do not allow cells to become over confluent as CD4 expression will drop. Cells are very sensitive to trypsin and should not be over treated.
STORAGE :	Liquid nitrogen
SOURCE :	Dr Michael Emerman (courtesy of the NIH AIDS Research and Reference Reagent Program).

REFERENCE :

Kimton J et al (1992), J Virol 66:2232-2239.

ACKNOWLEDGEMENTS :

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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)