

Centre for AIDS Reagents

Data Sheet

NAME:	CMMT-CD4-LTR- β -Gal (sMAGI)
REPOSITORY REFERENCE:	ARP5033
CELL TYPE:	CMMT (a rhesus macaque mammary tumor line) infected with the amphotropic retroviral vector LT4SN to express human CD4. Stably transfected with a plasmid containing the HIV-1 LTR fused to the β -galactosidase gene.
SPECIAL CHARACTERISTICS:	This indicator cell line allows rapid quantification of infectious SIV. Cells are adherent. NOTE: The parental CMMT cellline expresses SRV-1 (simian type D retrovirus); both CMMT and sMAGI have high endogenous RT activity due to SRV-1 expression.
CULTURE MEDIUM:	DMEM supplemented with 100 U/ml penicillin, 100 μ g/ml streptomycin, 300 μ g/ml L-glutamine, 0.2 mg/ml G418 (at an active concentration of 700 μ g/ml), and 50 U/ml hygromycin (Calbiochem, 358 U/mg), and 10% fetal bovine serum.
SOURCE:	Dr. Julie Overbaugh (Courtesy of the NIH)
REFERENCE:	Chackerian B, Haigwood NL, Overbaugh J. Characterization of a CD4 expressing macaque cell line that can detect virus after a single replication cycle and can be infected by diverse simian immunodeficiency virus isolates. <i>Virology</i> 213 :386 - 394, 1995.
ACKNOWLEDGEMENTS:	<p>Acknowledgment for publications should read "The following reagent was obtained through the AIDS Research and Reference Reagent Program, Division of AIDS, NIAID, NIH:CMMT-CD4-LTR-β-Gal (sMAGI) from Dr. Julie Overbaugh." Also include the reference cited above in any publications.</p> <p>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/centre_for_aids_reagents.aspx in the "Acknowledgements" section.</p> <p>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)</p>