

Centre for AIDS Reagents

Data Sheet

NAME: TZM-bl/ Fc γ RI

REPOSITORY REFERENCE: ARP5028

SPECIES/TYPE: Human/HeLa

DESCRIPTION: This is an adherent cell line with no special requirements for thawing and culture. For optional long term culture, the cells may be maintained in propagation medium containing Blasticidin (20 μ g/ml). Cells are split 1:10 every 4 days.

PLEASE NOTE: The TZM-bl cell line is contaminated with ecotropic murine leukemia virus, MLV. For additional information please consult the following reference (Takeuchi et. al, 2008).

SPECIAL CHARACTERISTICS: Expression of Fc γ RI on this cell line facilitates studies of the Fc portion of antibody in mediating HIV-1 neutralization and infection-enhancement in vitro. Optimal sensitivity to infection is achieved by including DEAE-dextran in the medium. The original TZM-bl cell line was found to be infected with an ecotropic murine leukemia virus, but this has had no measurable effect on the outcome of HIV infection and neutralization assays.

CULTURE MEDIUM: DMEM (90%), 10% FBS, 0.025M HEPES buffer, 10 μ g/mL Gentamicin

STORAGE: Liquid nitrogen

SOURCE: Dr. David Montefiori and Dr. Gabriel Perez (Courtesy of the NIH)

REFERENCES: Perez LG, et al. J. Virol. 83:7397-7410, 2009
Platt EJ, et al. J. Virol 83: 8289-8292, 2009

Takeuchi Y, McClure MO, Pizzato M. Identification of gammaretroviruses constitutively released from cell lines used for human immunodeficiency virus research., J Virol. 2008 Dec;82(24):12585-8.

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)