



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Jurkat CypA deficient Cells
Catalog Number:	10095
Lot Number:	040924
Release Category:	E
Provided:	1.2 x 10 ⁷ cells/vial Viability = 94%
Cell Type:	Jurkat
Propagation Medium:	RPMI with penicillin and streptomycin, 10% fetal calf serum
Freeze Medium:	RPMI with penicillin and streptomycin, 10% fetal calf serum, 10% DMSO
Growth Characteristics:	No special requirements are needed for thawing or establishing these cells in culture. Jurkat CypA -/- cells grows in suspension both singly and in clumps.
Morphology:	In culture, cell morphology is round.
Sterility:	Negative for mycoplasma, fungi and bacteria.
Description:	Jurkat cells that do not express CypA
Special Characteristics:	Cells were rendered CypA -/- through homologous recombination with targeting plasmids. Jurkat CypA -/- cells shows decreased HIV-1 replication with the onset of virus exponential growth delayed 4-5 days.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Douglas Braaten and Dr. Jeremy Luban

References: Douglas Braaten and Jeremy Luban. Cyclophilin A regulates HIV-1 infectivity, as demonstrated by gene targeting in human T cells. *EMBO Journal* **20**:1300-1309, 2001.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Jurkat T-Cells CypA -/- from Drs. D. Braaten and J. Luban." Also include the reference cited above in any publications.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated March 13, 2017

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