



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Jurkat CypA deficient Cells
<b>Catalog Number:</b>	10095
<b>Lot Number:</b>	001
<b>Release Category:</b>	E
<b>Provided:</b>	1 x 10 <sup>6</sup> cells/vial
<b>Cell Type:</b>	Jurkats
<b>Propagation Medium:</b>	RPMI with penicillin and streptomycin, 10% fetal calf serum
<b>Freeze Medium:</b>	RPMI with penicillin and streptomycin, 10% fetal calf serum, 10% DMSO
<b>Growth Characteristics:</b>	No special requirements are needed for thawing or establishing these cells in culture. Jurkat CypA -/- cells grows in suspension both singly and in clumps.
<b>Morphology:</b>	In culture, cell morphology is round.
<b>Sterility:</b>	Negative for mycoplasma, fungi and bacteria.
<b>Description:</b>	Jurkat cells that do not express CypA
<b>Special Characteristics:</b>	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.
<b>Recommended Storage:</b>	Liquid nitrogen.

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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.

**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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