



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	MOLT-4 CCR5+ Cells
Catalog Number:	4984
Lot Number:	160143
Release Category:	E
Provided:	1 mL of cells Post thaw cell count = 3.8×10^6 cells/mL. Post thaw cell viability = 61% Cell viability increased to 92% after 7 days in culture.
Propagation Medium:	RPMI 1640, 90%; fetal bovine serum, 10%; 1 mg/mL G418
Freeze Medium:	RPMI, 50%; fetal bovine serum, 40%; DMSO, 10%
Sterility:	Negative for mycoplasma, bacteria and fungi
Description:	A CCR5 expression plasmid was transfected into MOLT-4 cells and stable transfectants were selected in culture medium containing G418 (1 mg/mL).
Special Characteristics:	MOLT-4 CCR5+ Cells are infectable by CCR5-utilizing HIV-1. CCR5 expression detectable by FACS (>96%).
Recommended Storage:	Keep the reagent in liquid nitrogen. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Masanori Baba, Dr. Hiroshi Miyake, and Dr. Yuji Iizawa.

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.

References: Baba M, Miyake H, Okamoto M, Iizawa Y, Okonogi K. Establishment of a CCR5-expressing T-lymphoblastoid cell line highly susceptible to R5 HIV Type 1. *AIDS Research and Human Retroviruses* **16**(10):935-941, 2000.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, NIAID, NIH: MOLT-4 CCR5+ Cells from Dr. Masanori Baba, Dr. Hiroshi Miyake, Dr. Yuji Iizawa (cat# 4984)." Also include the reference cited above in any publications.

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

Last Updated January 15, 2019

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.