

DATA SHEET

For research use only. Not for use in humans.

Reagent:	MOLT-4 CCR5+ Cells
Catalog Number:	ARP-4984
Lot Number:	190358
Provided:	Each vial of ARP-4984 contains approximately 2.7×10^6 cells in 0.8 mL of freeze medium. Post-thaw viability was 48% (82% at day 6).
Cell Type:	ARP-4984 is a T lymphocyte cell line.
Propagation Medium:	The recommended propagation medium is 90% RPMI supplemented with 10% fetal bovine serum, 1% GlutaMAX™ and 1mg/mL G418.
Freeze Medium:	The recommended freeze medium is Gibco Recovery Cell Culture Freezing Medium.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Description:	ARP-4984 contains a CCR5 expression plasmid that was transfected into MOLT-4 cells and stable transfectants were selected in culture medium containing G418 (1 mg/mL).
Special Characteristics:	ARP-4984 is infectable by CCR5-utilizing human immunodeficiency virus, type 1 (HIV-1) and CCR5 expression is detectable by Fluorescence-Activated Cell Sorting (> 96%).
Recommended Storage:	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
Contributor:	Dr. Masanori Baba, Dr. Hiroshi Miyake and Dr. Yuji Iizawa
References:	Baba, M., et al. "Establishment of a CCR5-expressing T-Lymphoblastoid Cell Line Highly Susceptible to R5 HIV Type 1." <i>AIDS Res Hum Retroviruses</i> 16 (2000): 935-941. PubMed: 10890354.
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: MOLT-4 CCR5+ Cells, ARP-4984."
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories (BMBL)</i> . Current Edition. Washington, DC: U.S. Government Printing Office.
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