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DATA SHEET

Reagent:	RL-5 Cells
Catalog Number:	341
Lot Number:	18-017
Release Category:	C
Provided:	5 x 10^6 cells/vial.
Cell Type:	Rabbit T cell line derived from a Herpesvirus ateles-induced rabbit tumor from the inbred rabbit line B/J. Rounded, oval, dumbbell shaped.
Propagation Medium:	RPMI 1640 supplemented with 6 mM L-glutamine, 100 U/ml penicillin, and 100 mg/ml streptomycin, 90%; inactivated fetal bovine serum, 10%.
Freeze Medium:	RPMI 1640 with 20% inactivated fetal bovine serum, 50%; cryoprotective medium (MA products #12-132A), 50%.
Growth Characteristics:	Grows very slowly for the first 7-10 days when seeding from frozen cells. Doubling time is 14 hours. Split to 1 x 10^5 cells/mL when pH of medium changes, about every 5 days. Splitting cells before pH changes dilutes out a factor which encourages growth. Cells grow in suspension with some adherent cells and some clumping of cells. Some aberration in morphology if pH of medium becomes acidic. Aberrant cells reinforce growth of normal cells.
Sterility:	Negative for bacteria, mycoplasma, fungi, and yeast.
Special Characteristics:	Susceptible to HIV infection in vitro. RT activity is observed 7-10 days post-infection. Sheds infectious virus. Expresses RNA transcript that cross-hybridize with a human CD4-specific probe.
Recommended Storage:	Liquid nitrogen.

Contributor: Dr. Thomas Kindt.

References:

Kaschka-Dierich C, Werner FJ, Bauer I, Fleckenstein B. Structure of nonintegrated, circular Herpesvirus saimiri and Herpesvirus ateles genomes in tumor cell lines and in vitro-transformed cells. *J Virol* **44**:295-310, 1982.

Kimball ES, Coligan JE, Kindt TJ. Structural characterization of antigens encoded by rabbit RLA-11 histocompatibility genes. *Immunogenetics* **8**:201-211, 1979.

Kulaga H, Folks TM, Rutledge R, Kindt TJ. Infection of rabbit T-cell and macrophage lines with human immunodeficiency virus. *Proc Natl Acad Sci USA* **85**:4455-4459, 1988.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: RL-5 Cells from Dr. Thomas Kindt." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer,
Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released.
Please specify the name and a description of the intended use of the reagent.

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