



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:	☒ MuLV LP-BM5 Infected SC-1 Cells
Catalog Number:	1215
Lot Number:	50-096
Release Category:	C
Provided:	6 x 10 ⁶ cells/ml.
Cell Type:	Adherent feral mouse embryo cells (fibroblasts), clone G6, a subline of 212 SC-1 cell line. The 212 cell line was established by cocultivation of SC-1 cells with mitomycin C-treated cells obtained from enlarged lymph nodes of a C57BL/6 mouse inoculated with virus harvested from the RCN-BM5 stromal cell line established by M. Haas.
Propagation Medium:	Dulbecco's or McCoy's basal medium, supplemented with L-glutamine and 1% pen-strep, 90%; heat-inactivated fetal bovine serum, 10%.
Freeze Medium:	Eagle's MEM, supplemented with L-glutamine and 1% pen-strep, 67%; fetal bovine serum, 25%; DMSO, 8%.
Growth Characteristics:	Cells grow as a monolayer. Passage when confluent. No cytopathic effects are observed. Addition of fresh cells is necessary only when preparing viral pools. Instructions for transferring cells, preparing viral pools, and harvesting virus are attached.
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	These cells release LP-BM5, which is a mixture of defective, ecotropic and mink cell focus-forming (MCF) MuLVs.

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.

Special Characteristics: These persistently infected cells release BM5 def, the replication defective, disease inducing component of LP-BM5 MuLV, as well as ecotropic and MCF MuLV (replication competent B-tropic MuLVs that act as helper virus for BM5 def; the ecotropic component is present at higher titer than the MCF). Cell-free harvests should induce easily detectable splenomegaly and lymphadenopathy within 4-6 weeks or less in adult C57BL/6 mice inoculated intraperitoneally.

[Propagation of SC-1/MuLV LP-BM-5](#)

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Herbert Morse and Dr. Janet Hartley.

References:

Morse HC III, Chattopadhyay SK, Makino M, Fredrickson TN, Hügin AW, Hartley JW. Retrovirus-induced immunodeficiency in the mouse: MAIDS as a model for AIDS. *AIDS* **6**:607-621, 1992.

Chattopadhyay SK, Morse HC III, Makino M, Ruscetti SK, Hartley JW. Defective virus is associated with induction of murine retrovirus-induced immunodeficiency syndrome. *Proc Natl Acad Sci USA* **86**:3862-3866, 1989.

Hartley JW, Fredrickson TN, Yetter RA, Makino M, Morse HC III. Retrovirus-induced murine acquired immunodeficiency syndrome: natural history of infection and differing susceptibility of inbred mouse strains. *J Virol* **63**:1223-1231, 1989.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: MuLV LP-BM5 Infected SC-1 Cells from Dr. Herbert Morse and Dr. Janet Hartley." Also include the references cited above in any publications.

Last Updated July 02, 2018

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.