

Data Sheet

DESCRIPTION:	MAGI-CCR-5
REPOSITORY REFERENCE:	ARP5009
SPECIES/TYPE:	HeLa Cell expressing human CD4 and HIV-LTR- β gal.
SPECIAL INFORMATION:	This is an indicator cell line susceptible to both macrophage-tropic and T-cell line adapted HIV-1 viruses. Also these cells are susceptible to SIV infection.
CULTURE MEDIUM:	DMEM supplemented with 10% foetal calf serum 100 U/ml penicillin, 100 μ g/ml streptomycin, 0.25 μ g/ml fungizone, 300 μ g/ml L-glutamine, 0.2 mg/ml G418 0.1 mg/ml hygromycin B 1 μ g/ml puromycin.
GROWTH CHARACTERISTICS:	Besides letting the cells grow for one week without drug selection in DMEM complete after thawing, there are no special requirements for thawing the cells. At confluency, split 1/20 vol. usually once a week. After approximately 8 passages, these adherent cells change morphology and begin to clump into patches. This may be a result of the puromycin and/or high levels of CCR5 expression. This does not seem to have an effect on HIV infectability. Cells grown up into the 4th month, 18–24 passages, are as infectable as freshly thawed cells.
FREEZE MEDIA:	DMEM complete supplemented with 10% fetal calf serum, 10% DMSO.

STORAGE: Liquid Nitrogen.

SOURCE: Dr Julie Overbaugh

REFERENCES: Chackerian B, Long EM, Luciw PA, Overbaugh J. (1997) J.Virol **71**:3932–3939.

NOTE: **LIMITED TO ONE ALIQUOT PER LABORATORY.**

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