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DATA SHEET

Reagent:	HIV-1 RF/L-323-12-3 Virus
Catalog Number:	2806
Lot Number:	099087
Release Category:	A
Provided:	1 mL cell-free virus $TCID_{50}$ = 1.3 x 10^4/mL
Host Strain:	Human PBMC or MT-2 cells
Propagation:	Selected in human PBMCs. Can be propagated in MT-2 cells.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Description:	Protease mutant derived from HIV-1 RF strain.
Special Characteristics:	Single and double protease gene mutant strains were selected *in vitro* in the presence of the novel protease inhibitors DMP323 (a cyclic urea protease inhibitor) or P9941 (a C-2 symmetrical diol protease inhibitor). Four mutants derived from $HIV\text{-}1_{RF}$ and one from the AZT-resistant strain Donor E are available. All of those viruses are stable in culture, and do not require the addition of antivirals to maintain phenotype. All are extremely cytopathic and require frequent feeding with uninfected cells. Table of additional HIV-1 Protease mutants included in this set.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Dean Winslow.

References: Otto MJ, Garber S, Winslow D, Reid CD, Aldrich P, Jadhav PK, Patterson CE, Hoge CN, Cheng YS. *In vitro* isolation and identification of HIV variants with reduced sensitivity to C-2 symmetrical inhibitors of HIV-1 protease. *Proc Natl Acad Sci USA* **90**:7543-7547, 1993.

King RW, Garber S, Winslow DL, Reid C, Bacheler LT, Anton E, Otto MJ. Multiple mutations in the human immunodeficiency virus protease gene are responsible for decreased susceptibility to protease inhibitors. *Antiviral Chem Chemother* **6**:80-88, 1995.

Otto MJ, Reid CD, King RW, Garber S, Baker DB, Anton E, Winslow DL. Exposure of chronically infected PBMC's to DMP450 can completely suppress virus replication or select resistant variants depending upon the dose of compound. *Second National Conference on Human Retroviruses and Related Infections*, Washington, DC, January 29-February 2, 1995.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 RF/L-323-12-3 Virus from Dr. Dean Winslow." Also include the references cited above in any publications.

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