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DATA SHEET

Reagent:	HIV-1 RTMF Virus
Catalog Number:	2527
Lot Number:	097122
Release Category:	A
Provided:	1 vial cell-free virus $TCID_{50}$ = 3.2 x 10^4 /mL.
Original Source:	MT-2 cells transfected with AZT-resistant HXB2 derivative molecular clones.
Host Strain:	Propagate in MT-2. Also infects human neoplastic CD4+ T-cell lines including H9, MT-4, C8166, and CEM, as well as CD4+ HeLa cells and human PBMCs
Sterility:	Negative for bacteria, fungi, and mycoplasma.
Description:	AZT-resistant virus containing a mutation in RT amino acid residue 215Y and utilizes CCR5 and CXCR4.
Special Characteristics:	Resistance is approximately 20-fold greater than that of the parental HXB2 virus (HeLa-CD4 cell assay).
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. Brendan Larder and Dr. Sharon Kemp, courtesy of the MRC AIDS Directed Programme.
References:	Larder BA, Kellam P, Kemp SD. Zidovudine resistance predicted by direct detection of mutations in DNA from HIV-infected lymphocytes. *AIDS* **5**:137-144, 1991.

NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 RTMF Virus from Dr. Brendan Larder and Dr. Sharon Kemp." Also include the reference cited above in any publications.
Last Updated:	July 30, 2018