



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	☒ HIV-1 RTMC Virus
<b>Catalog Number:</b>	2526
<b>Lot Number:</b>	099064
<b>Release Category:</b>	A
<b>Provided:</b>	1 vial cell-free virus TCID <sub>50</sub> = 3.2 x 10 <sup>4</sup> /mL.
<b>Original Source:</b>	MT-2 cells transfected with molecular clone pHIVRTMC, an AZT-resistant HXB2 derivative.
<b>Host Strain:</b>	Propagate in MT-2. Also infects CD4+ human neoplastic T-cell lines including H9, MT-4, C8166, and CEM, as well as CD4+ HeLa cells, and human PBMCs.
<b>Sterility:</b>	Negative for mycoplasma, bacteria and fungi.
<b>Description:</b>	AZT-resistant virus containing mutations in RT amino acid residues 67N, 70R, 215F, and 219Q and utilizes CCR5 and CXCR4
<b>Special Characteristics:</b>	Resistance is approximately 100-fold greater than that of the parental HXB2 virus (HeLa-CD4 cell assay).
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	Dr. Brendan Larder and Dr. Sharon Kemp, courtesy of the MRC AIDS Directed Programme.
<b>References:</b>	Larder BA, Kemp SD. Multiple mutations in HIV-1 reverse transcriptase confer high-level resistance to zidovudine (AZT). <i>Science</i> <b>246</b> :1155-1158, 1989.

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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.

**NOTE:**

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

**Last Updated:**

July 30, 2018

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