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DATA SHEET

Reagent:	HIV-1 A018A Virus (H112-2)
Catalog Number:	629
Lot Number:	170240
Release Category:	A
Provided:	1 mL of cell-free virus TCID50= 3.71 x 10^6 TCID50/mL in PBMCs p24 = 290 ng/mL IC50 of AZT in PBMCs = 1.54 nM (sensitive)
Original Source:	Human peripheral blood lymphocytes isolated from a patient with AIDS-Related Complex (ARC) prior to receiving zidovudine treatment.
Host Strain:	Human PBMCs
Propagation:	A protocol to prepare viral stocks is provided by the LANL HIV Databases.
Sterility:	Negative for mycoplasma, bacteria and fungi
Description:	A group M, subtype B, HIV-1 virus isolate which utilizes CCR5 and CXCR4 co-receptors to infect cells. This isolate is AZT sensitive.
Special Characteristics:	This HIV isolates were obtained by co-cultivation of phytohemagglutinin (PHA)-stimulated peripheral blood lymphocytes (PBLs) from an ARC patient before zidovudine therapy, with MT-2 cells. This is a pre-treatment virus isolate. A corresponding zidovidine post-treatment virus isolate is also available. A018C Virus (G910-6) (cat# 13243) is the corresponding AZT resistant form of the virus post-treatment. GenBank Accession Number: U12738

PBMC Co-culture and Plaque Reduction Assay Using HT4-6C Cells

Recommended Storage:	Keep the reagent in liquid nitrogen.
Contributor:	Dr. Douglas Richman
References:	B. A. Larder, G. Darby and D. D. Richman. (1989). HIV with reduced sensitivity to zidovudine (AZT) isolated during prolonged therapy. Science, 243(4899), 1731-4. PUBMED B. A. Larder and S. D. Kemp. (1989). Multiple mutations in HIV-1 reverse transcriptase confer high-level resistance to zidovudine (AZT). Science, 246(4934), 1155-8. PUBMED
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 A018A Virus (H112-2) from Dr. Douglas Richman (Cat# 629)." Also include the references cited above in any publications.
Last Updated:	October 23, 2018