



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: ☒ HIV-1 A012 Virus (AZT Resistant)

Catalog Number: 964

Lot Number: D_G691-6 (AZT Resistant Isolate) 59-148
B_G762-3 (AZT Sensitive Isolate) 59-147

Release Category: A

Provided: 2 Vials, 1 mL of cell free virus per vial
This reagent is provided as two viruses isolated from the same patient at two different time points. One isolate is sensitive to AZT and the other shows resistance to the drug.

Original Source: Patients with AIDS or ARC

Host Strain: MT-2 Cells or Human PBMCs
The current lots were produced in MT-2 cells.

Description: R5 and X4.

Special Characteristics: D_G762-3: $10^{4.17}$ TCID₅₀/ml in MT-2 cells (7 day titer).
B_G691-6: $10^{3.83}$ TCID₅₀/ml in MT-2 cells (7 day titer).
Protocol: [PBMC Co-culture and Plaque Reduction Assay Using HT4-6C Cells](#)

Recommended Storage: Keep the reagent in liquid nitrogen.

Contributor: Dr. Douglas Richman

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.

References: Larder, B. A., Darby, G., & Richman, D. D. (1989). HIV with reduced sensitivity to zidovudine (AZT) isolated during prolonged therapy. *Science*, 243(4899), 1731-1734.
[PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: AZT Resistant HIV from Dr. Douglas Richman." Also include the references cited above in any publications.

Last Updated: June 16, 2017

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.