b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

DATA SHEET

For research use only. Not for use in humans.

Reagent: J-Lat Tat-GFP Cells (A1)

Catalog Number: ARP-9852

Lot Number: 190383

Provided: Each vial of ARP-9852 contains approximately 3.58 × 10^6 cells in 0.8 mL of freeze medium. Post-thaw viability was 70%.

Cell Type: ARP-9852 is a Jurkat - T lymphocyte cell line.

Propagation Medium: The recommended propagation medium is 90% RPMI supplemented with 10% fetal bovine serum and 2 mM GlutaMAX™.

Freeze Medium: The recommended freeze medium is Gibco Recovery Cell Culture Freezing Medium.

Growth Characteristics: ARP-9852 cells should be split 1:3 at 1 × 10^6 cells/mL. Cells grow in suspension, usually singly but some clumping has been noted.

Sterility: Tests for bacteria, fungi and mycoplasma were negative.

Description: ARP-9852 is a Jurkat cell line that bears integrated human immunodeficiency virus 1 (HIV-1) retroviral construct LTR-Tat-IRES-GFP.

Special Characteristics: ARP-9852 latently expresses green fluorescent protein (GFP) to varying degrees. It is suited to study HIV latency and reactivation.

Recommended Storage: Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.

Contributor: Dr. Eric Verdin

References:

Jordan, A., D. Bisgrove and E. Verdin. "HIV Reproducibly Establishes a Latent Infection After Acute Infection of T cells *in vitro*." EMBO J. 22 (2003): 1868-1877. PubMed: 12682019.

Jordan, A., P. Defechereux and E. Verdin. "The Site of HIV-1 Integration in the Human Genome Determines Basal Transcriptional Activity and Response to Tat Transactivation." EMBO J. 20 (2001): 1726-1738. PubMed: 11285236.

Citation: Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: J-Lat Tat-GFP Cells (A1), ARP-9852."

Biosafety Level: 2 Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). Current Edition. Washington, DC: U.S. Government Printing Office.

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HIV REAGENT PROGRAM

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