



DATA SHEET

For research use only. Not for use in humans.

Reagent:	J-Lat Full-Length Cells (Clone 9.2)
Catalog Number:	ARP-9848
Lot Number:	190356
Release Category:	C
Provided:	Each vial of ARP-9848 contains approximately 3.11×10^6 cells in 0.8 mL of Gibco Recovery Cell Culture Medium. Post-thaw viability was 87%.
Cell Type:	ARP-9848 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-9848 grows as small, spherical cells in suspension, usually singly but some clumping has been noted. There are no special requirements for thawing and reestablishing the culture. Splitting cells 1:3 at 1×10^7 cells per milliliter is recommended.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Description:	ARP-9848 is a Jurkat-based cell line containing a full-length integrated human immunodeficiency virus 1 (HIV-1) genome that expresses green fluorescent protein (GFP) upon activation. The genome generates incomplete virions due to a frameshift in <i>env</i> .
Special Characteristics:	ARP-9848 was derived from Jurkat cells infected with the packaged retroviral construct HIV-R7/E-/GFP, which is the full-length HIV-1 genome with a non-functional <i>env</i> due to a frameshift, and GFP in place of the <i>Nef</i> gene. Full-length constructs secrete incomplete viral particles (capsids). The cells express low to undetectable levels of GFP under basal conditions. ARP-9848 is suited to study HIV latency and reactivation. For additional information, please consult the reference below.
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 <i>in Vitro</i> ." <u>EMBO J.</u> 22 (2003): 1868-1877. PubMed: 12682019 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: J-Lat Full-Length Cells (Clone 9.2), ARP-9848, contributed by Dr. Eric Verdin." Also include the reference cited in any publication.
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. <u>Biosafety in Microbiological and Biomedical Laboratories</u> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmb15/index.htm .



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Note:

These cells and methods of use are covered by U.S. patents 7,232,685 and 7,544,467.

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