b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

DATA SHEET

For research use only. Not for use in humans.

Reagent: Sup-T1 Cells

Catalog Number: ARP-100

Lot Number: 190112

Provided: Each vial of ARP-100 contains approximately 5.03×10^6 cells in 0.8 mL of freeze medium. Post-thaw viability was 51%.

Cell Type: ARP-100 is a human T cell line derived from T cell non-Hodgkin's lymphoma isolated from a pleural effusion of an eight-year-old male and subcloned on soft agar.

Propagation Medium: The recommended propagation medium is 90% RPMI 1640 medium supplemented with 10% fetal bovine serum and 2 mM L-GlutaMax.

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

Growth Characteristics: Cells recover viability rapidly post-thaw. The seeding ratio is 1:10 to 1:20. Cells grow in suspension and show minimal clumping. Passage is recommended when the number exceeds 5×10^5 cells per mL.

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

Description: ARP-100 is susceptible to infection by human immunodeficiency virus type 1 (HIV-1) as well as human immunodeficiency virus type 2 (HIV-2).

Special Characteristics: Sup-T1 cells express high levels of CD4 and CD8. They express CD5, CD1a, CD9, and low levels of CD3. They are also CD2 and DR negative.

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

Contributor: Dr. Dharam Ablashi, HHV-6 Foundation

References:

Ablashi, D. V., et al. "Human Herpesvirus-7 (HHV-7): Current Status." Clin. Diagn. Virol. 4 (1995): 1-13. PubMed: 15566823.

Smith, S. D., et al. "Monoclonal Antibody and Enzymatic Profiles of Human Malignant T-Lymphoid Cells and Derived Cell Lines." Cancer Res. 44 (1984): 5657-5660. PubMed: 6437672.

Citation: Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Sup-T1 Cells, ARP-100."

Biosafety Level: 1 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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