### DATA SHEET

For research use only. Not for use in humans.

**Reagent:** Sup-T1 Cells  
**Catalog Number:** ARP-100  
**Lot Number:** 190112  
**Release Category:** D  
**Provided:** Each vial of ARP-100 contains approximately $5.03 \times 10^6$ cells in 0.8 mL of Gibco Recovery Cell Culture Freezing 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 200 mM L-glutamine.

**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 $5 \times 10^5$ cells per mL.

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

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


**Citation:** Acknowledgment for publications should read “The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Sup-T1 Cells, ARP-100, contributed by Dr. Dharam Ablashi.” Also include the references cited in any publication.

**Biosafety Level:** 1  

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