



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	H9 Cells
<b>Catalog Number:</b>	87
<b>Lot Number:</b>	130029
<b>Release Category:</b>	C
<b>Provided:</b>	5 x 10 <sup>6</sup> cells/mL. Viability is 92%.
<b>Cell Type:</b>	Single cell clone derived from a specific HUT 78 cell line, HT. HUT 78 is a human cutaneous T cell lymphoma derived from the peripheral blood of a patient with Sezary syndrome.
<b>Propagation Medium:</b>	RPMI 1640, supplemented with 2 mM L-glutamine and 50 µg/ml gentamicin, 90%; fetal bovine serum, 10%.
<b>Freeze Medium:</b>	RPMI 1640, 80%; fetal bovine serum, 10%; DMSO, 10%.
<b>Growth Characteristics:</b>	Maintain H9 cells at 1 x 10 <sup>5</sup> - 1 x 10 <sup>6</sup> cells/ml. Split 1:2-1:4 twice weekly. H9 grows as a single cell suspension with some clumping. Morphology is mature lymphocytic.
<b>Special Characteristics:</b>	This cell line was selected for high yield permissive growth with HIV-1.
<b>Recommended Storage:</b>	Liquid nitrogen.
<b>Contributor:</b>	Dr. Robert Gallo

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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:**

Mann DL, O'Brien SJ, Gilbert DA, Reid Y, Popovic M, Read-Connole E, Gallo R, Gazdar A. Origin of the HIV-susceptible human CD4<sup>+</sup> cell line H9. *AIDS Res Hum Retroviruses* **5**:253-255, 1989.

Popovic M, Read-Connole E, Gallo RC. T4 positive human neoplastic cell lines susceptible to and permissive for HTLV-III. *Lancet* **ii**:1472-1473, 1984.

Popovic M, Sarngadharan MG, Read E, Gallo RC. Detection, isolation, and continuous production of cytopathic retroviruses (HTLV-III) from patients with AIDS and pre-AIDS. *Science* **224**:497-500, 1984.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: H9 from Dr. Robert Gallo." Also include the references cited above in any publications.

**The use of the H9 cell line and other neoplastic T cell lines to produce HIV-1 is described in U.S. Patent 4,520,113.**

**Last Updated**

November 02, 2015

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