

**Human Cell Line, J-Lat Full Length Cells, Clone 8.4**

**Catalog No. HRP-9847**

**Product Description:**

HRP-9847 is a Jurkat-based T 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 *env* gene. It is a suspension cell line. HRP-9847 lot 70059208 was produced by culture with RPMI-1640 medium supplemented with 10% fetal bovine serum, 0.1 mM MEM-nonessential amino acids, 1 mM sodium pyruvate, 100 U/mL penicillin-streptomycin and 50 µg/mL gentamycin.

**Lot: 70059208**

**Manufacturing Date: 15MAR2023**

TEST	SPECIFICATIONS	RESULTS
<b>Growth Properties</b>	Suspension	Suspension
<b>Total Cell Count</b>	> 1.0 × 10 <sup>6</sup> cells/vial	> 1.0 × 10 <sup>6</sup> cells/vial
<b>Post-Freeze Viability</b>	≥ 50%	78%
<b>TNFα induced GFP expression (Flow Cytometry)</b>	Inducible GFP expression	Inducible GFP expression <sup>1</sup>
<b>Sterility (21-day incubation)</b> Blood agar, 37°C, aerobic Potato agar, 37°C, aerobic LB broth, 37°C, aerobic	No growth No growth No growth	No growth No growth No growth
<b>Mycoplasma Contamination</b> DNA detection by PCR of extracted Test Article nucleic acid	None detected	None detected

<sup>1</sup>Cells were incubated in the presence of increasing concentrations of TNFα for 24 hours and GFP expression was measured by flow cytometry.

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04 MAR 2024

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**HIV REAGENT PROGRAM**

