

J-Lat Full Length Cells, Clone 15.4

Catalog No. HRP-9850

Product Description:

HRP-9850 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-9850 lot 70059209 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: 70059209

Manufacturing Date: 14MAR2023

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Suspension	Suspension
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	> 1.0 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 50%	70%
TNFα induced GFP expression (Flow Cytometry)	Inducible GFP expression	Inducible GFP expression ¹
Sterility (21-day incubation) 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
Mycoplasma Contamination DNA detection by PCR of extracted Test Article nucleic acid	None detected	None detected

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

/Kenneth R. Crawford/

Kenneth R. Crawford

18 MAR 2024

Lead Technical Writer or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® and the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

