

LuSIV Cell Line

Catalog No. HRP-5460

Product Description:

HRP-5460 cells are an indicator cell line with luciferase as the reporter. The LuSIV cell line was derived from CEMx174 cells transfected with a luciferase reporter construct. HRP-5460 lot 70060319 was produced by culture with RPMI-1640 medium supplemented with 10% FBS, sodium pyruvate, non-essential amino acids, 50 mg/mL gentamicin, 1X Penicillin/Streptomycin and 300 µg/mL hygromycin B. Omit the hygromycin B for the first 24 hours of growth.

Lot: 70060319

Manufacturing Date: 13MAY2023

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%	73.6%
Luciferase Activation HRP-5460 incubated with HIV-1 ¹ HRP-5460 only	Positive Negative	Positive Negative
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

¹HRP-5460 was incubated with NL-43 (HIV-1) virus for 48 hours and luciferase activation (RLU) was measured by GloMax.

/Kenneth R. Crawford/

Kenneth R. Crawford

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Lead Technical Writer or designee, ATCC Federal Solutions

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