

Human Cell Line, SLF1 Knockout CEM-SS

Catalog No. HRP-20255

Product Description:

HRP-20255 is a CEM-SS cell (human CD4 T-cell) line with the SLF1 (SMC5/6 Localization Factor 1) component knocked out of the Structural Maintenance of Chromosome (SMC) 5/6 complex. It is a suspension cell line. HRP-20255 lot 70057961 is preserved in 90% fetal bovine serum and 10% dimethyl sulfoxide (DMSO).

Lot: 70057961

Manufacturing Date: 21FEB2023

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Suspension	Suspension
Morphology	Round	Round
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	<i>Homo sapiens</i> origin	<i>Homo sapiens</i> origin
Total Cell Count	$> 1.0 \times 10^6$ cells/vial	3.7×10^6 cells/vial
Post-Freeze Viability	$\geq 50\%$	45% ¹
Western Blot Analysis with SMC6 Antibody	No band present at ~ 150 kDa	No band present at ~ 150 kDa
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ² Trypticase Soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C, aerobic	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
Mycoplasma Contamination Hoechst DNA stain Agar and broth culture (14-day incubation at 37°C) DNA detection by PCR of extracted Test Article nucleic acid	None detected None detected None detected	None detected None detected None detected

¹Post-freeze viability is reported for thawed cell pellet incubated in Growth Medium (GM; RPMI-1640 medium supplemented with 10% FBS) without puromycin. Upon the addition of puromycin (1 µg/mL) to the GM, the post-freeze viability increased to > 50%.

²Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

/Kenneth R. Crawford/

Kenneth R. Crawford

17 SEP 2026

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 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.

