

Human Cell Line, NSMCE2 Knockout CEM-SS

Catalog No. HRP-20253

Product Description:

HRP-20253 is a CEM-SS cell (human CD4 T-cell) line with the NSMCE2 (Non-Structural Maintenance of Chromosomes Element 2) component knocked out of the SMC5/6 complex. It is a suspension cell line. HRP-20253 lot 70057959 is preserved in 90% fetal bovine serum and 10% dimethyl sulfoxide (DMSO).

Lot: 70057959

Manufacturing Date: 27JAN2023

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	2.9×10^6 cells/vial
Post-Freeze Viability	$\geq 50\%$	55%
Western Blot Analysis with SMC6 Antibody	No band present at ~ 30 kDa	No band present at ~ 30 kDa
Sterility (21-day incubation) Harpo's HTYE broth, 37°C and 26°C, aerobic ¹ 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

¹Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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