

***Homo sapiens* Embryonic Kidney Epithelial Cells Expressing Transmembrane Protease, Serine 2 and Human Angiotensin-Converting Enzyme 2 [293T-ACE2.TMPRSS2 (mCherry)]**

Catalog No. NR-55293

Product Description:

NR-55293 [293T-ACE2.TMPRSS2 (mCherry)] contains a preparation of *Homo sapiens* embryonic kidney epithelial cells (HEK-293T) which were modified to express the transmembrane protease, serine 2 (TMPRSS2) and angiotensin-converting enzyme 2 (ACE2).

Lot: 70042783

Manufacturing Date: 19APR2021

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Confirmation of ACE2 Expression by Indirect Fluorescent Antibody Assay	Fluorescence observed	Fluorescence observed
Confirmation of TMPRSS2 Expression by Indirect Fluorescent Antibody Assay	Fluorescence observed	Fluorescence observed
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	<i>Homo sapiens</i> origin No evidence of another species	<i>Homo sapiens</i> origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	2.8 × 10 ⁶ cells per vial
Post-Freeze Viability	≥ 50%	78.9%
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.

/Heather Couch/

Heather Couch

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