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SUPPORTING INFECTIOUS DISEASE RESEARCH

Ferret Tracheal Epithelial Cells CD64.E3 Knockout, Immortalized Cell Line [FiTEC.FrtCD64.E3.KO(E11)]

Catalog No. NR-58940

Product Description:

NR-58940 is an immortalized cell line, tracheal epithelial cells (TEC) from *Mustela putorius furo* (ferret) [FiTEC.FrtCD64.E3.KO(E11)] modified to express an inverted CD64 gene, resulting in no expression of CD64 surface protein under CMV promoter. This cell line was developed to act as a negative control for verification of monoclonal antibodies.

Lot: 70058575

Manufacturing Date: 13FEB2023

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology ¹	Epithelial-like	Epithelial-like
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	Ferret origin No evidence of another species	Ferret origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells/vial	4.6 × 10 ⁶ cells/vial
Post-Freeze Viability	≥ 50%	85%
Sterility (21-day incubation)		
Harpo's HTYE broth, 37°C and 26°C, aerobic ²	No growth	No growth
Trypticase Soy broth, 37°C and 26°C, aerobic	No growth	No growth
Sabouraud broth, 37°C and 26°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, aerobic	No growth	No growth
Sheep blood agar, 37°C, anaerobic	No growth	No growth
Thioglycollate broth, 37°C, anaerobic	No growth	No growth
DMEM with 10% FBS, 37°C and 5% CO ₂	No growth	No growth
Mycoplasma Contamination		
Hoechst DNA stain	None detected	None detected
Agar and broth culture (14-day incubation at 37°C)	None detected	None detected
DNA detection by PCR of extracted Test Article nucleic acid	None detected	None detected

¹FiTEC.FrtCD64.E3.KO(E11) cells are derived from epithelial cells but may have a fibroblast-like appearance.

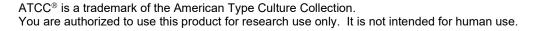
²Atlas, Ronald M. <u>Handbook of Microbiological Media</u>. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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04 OCT 2023