

***Cercopithecus aethiops* Kidney Epithelial Cells with High Expression of Human Furin (Vero-Furin)**

Catalog No. NR-55312

Product Description:

NR-55312 contains a preparation of African green monkey (*Cercopithecus aethiops*) kidney epithelial cells with high expression of human furin (Vero-furin). A clone was constructed by standard molecular cloning techniques into a bicistronic human furin-expressing pcDNA3.1 vector (pFIRB), and the vector was stably transfected into Vero cells, resulting in Vero-furin.

Lot: 70043698

Manufacturing Date: 26MAY2021

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	<i>Cercopithecus aethiops</i> origin No evidence of another species	<i>Cercopithecus aethiops</i> origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	1.2 × 10 ⁶ cells per vial
Post-Freeze Viability	≥ 50%	92.5%
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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