

Vero-E6 Ebola Reporter Cell Line, Clone B8

Catalog No. NR-53949

Product Description:

NR-53949 contains a preparation of *Cercopithecus aethiops* kidney epithelial cells (Vero E6; ATCC® CRL-1586™), which have been modified to contain a minigenome encoding a green fluorescent protein, zsGreen (ZsG), that is activated upon infection with Ebolavirus (EBOV).

Lot: 70047508

Manufacturing Date: 29SEP2021

TEST	SPECIFICATIONS	RESULTS
Growth Properties	Adherent	Adherent
Morphology	Epithelial	Epithelial
Functionality of Minigenome¹	Fluorescence observed upon infection with Ebolavirus	Fluorescence observed upon infection with Ebolavirus
Multiplex PCR Amplification of Cytochrome C Oxidase I (COI) Gene	African green monkey origin No evidence of another species	African green monkey origin No evidence of another species
Total Cell Count	> 1.0 × 10 ⁶ cells per vial	4.1 × 10 ⁶ cells per vial
Post-Freeze Viability	Report results	46.9%
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

¹NR-53949 was infected with EBOV in a TCID₅₀ format and grown for 7 days. Titers were determined by reporter fluorescence and immunofluorescence and titers were found to be comparable. Testing was performed by the contributor under BSL 4 conditions.

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

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