

Human Parainfluenza Virus Type 2, Greer

Catalog No. NR-59994

Product Description:

Human parainfluenza virus 2 (HPIV2), Greer was isolated from an infected infant. NR-59994 was produced by infecting *Chlorocephus aethiops* kidney epithelial cells (Vero; ATCC® CCL-81) with BEI Resources seed lot V-322-001-020 and incubating in Eagle's Minimum Essential Medium (EMEM; ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2003™) for 7 days at 37°C with 5% CO₂ to produce this lot.

Passage History:

RMK(5), MK(3)/Vero(4) (Prior to deposit at BEI Resources/BEI Resources); RMK = Rhesus Monkey kidney; MK = Unspecified monkey kidney; Vero = *C. aethiops* kidney epithelial cells

Lot: 70074961

Manufacturing Date: 22APR2025

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero Cells	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (~ 960 nucleotides)	≥ 98% sequence identity with HPIV2, Greer (GenBank: AF533012)	98.9% sequence identity with HPIV2, Greer (GenBank: AF533012)
Titer by TCID₅₀ Assay in Vero Cells by Fluorescent Antibody Testing^{1,2} (10 days at 37°C with 5% CO ₂)	Report results	2.8 × 10 ⁵ TCID ₅₀ /mL
Sterility test (Bact/ALERT 3D) iAST bottle (aerobic) at 32.5°C, 14-day incubation iNST bottle (anaerobic) at 32.5°C, 14-day incubation	No growth No growth	No growth No growth
Mycoplasma Contamination 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

¹The Tissue Culture Infectious Dose 50% (TCID₅₀) endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.

²Tested with goat anti-hPIV2/3 (BioRad 7140-4004) and rabbit anti-goat IgG kappa (BioRad STAR122F)

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14 AUG 2025

Technical Manager or designee, ATCC Federal Solutions

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