

Recovirus, Mo/TG30/2012

Catalog No. NR-59235

Product Description:

Recovirus (ReCV), Mo/TG30/2012 was isolated from the stool of a juvenile Rhesus macaque (*Macaca mulatta*) which was collected in 2012 in Massachusetts, USA, passaged seven times in LLC-MK2 cells and isolated July 19, 2022 at The Washington University. NR-59235 lot 70063764 was produced by infecting *Macaca mulatta* (Rhesus monkey) kidney cells (LLC-MK2 Derivative; ATCC® CCL-7.1™) with depositor material and incubating in Dulbecco's Modified Eagle's Medium (ATCC® 30-2002™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 2 days at 37°C with 5% CO₂.

Passage History:

LLC-MK2(7)/LLC-MK2(1) (Prior to deposit at BEI Resources/BEI Resources); LLC-MK2 = LLC-MK2 Derivative

Lot: 70063764

Manufacturing Date: 14DEC2023

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TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in LLC-MK2 Cells	Cell rounding and detachment	Cell rounding and detachment
Next-Generation Sequencing (NGS) of Complete Genome Using Illumina® MiSeq™ Platform	≥ 98% identity with ReCV, Mo/TG30/2012 (GenBank: OQ184950)	99.91% identity with ReCV, Mo/TG30/2012 (GenBank: OQ184950.1)
Titer by TCID₅₀ Assay in LLC-MK2 Cells by Cytopathic Effect¹ (6 days at 37°C with 5% CO ₂)	Report results	8.9 × 10 ⁷ TCID ₅₀ /mL
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 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.

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

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23 APR 2024

Technical Manager or designee, ATCC Federal Solutions

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