

Simian Virus 40, 776* (776-2E WT)

Catalog No. NR-51201

Product Description: SV40, 776* (776-2E WT) was constructed by cloning SV40, 776 sequence from pCV21-0 vector into the *EcoRI* site of the same vector. SV40, 776 is a reference strain for SV40 and was initially isolated from a contaminated adenovirus type 1 seed stock in 1960.

Passage History: XTC1/CV1 (Prior to deposit at BEI Resources/BEI Resources); X = Unknown; TC = TC-7 cells; CV = CV-1 cells¹

Lot²: 70016195

Manufacturing Date: 01AUG2018

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in CV-1 cells	Cell rounding, vacuolization and detachment	Cell rounding, vacuolization and detachment
Sequencing of Species-Specific Region (~ 960 nucleotides)	≥ 98% identity with SV40, 776 (GenBank: AF316139.1)	100% identity with SV40, 776 (GenBank: AF316139.1)
Titer by TCID ₅₀ Assay ^{3,4} in CV-1 cells ¹ by Cytopathic Effect	Report results	1.6 × 10 ⁸ TCID ₅₀ per mL
Amplification of SV40 Sequence by PCR	~ 1080 base pair amplicon	~ 1080 base pair amplicon
Sterility (21-day incubation) Harpo's HTYE broth ⁵ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Blood agar, 37°C, aerobic Blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂	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

¹CV-1: ATCC® CCL-70™

²Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 12 days at 37°C with 5% CO₂

³The 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.

⁴Assay plates were incubated 12 days at 37°C and 5% CO₂

⁵Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798

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