

**Adenovirus 10, JJ**

**Catalog No. NR-53907**

**Product Description:**

Adenovirus (ADV), 10 was isolated prior to 1963 from an eye swab from a patient with conjunctivitis in Washington, D.C., USA. NR-53907 lot 70040924 was produced by infecting *Homo sapiens* lung carcinoma cells (A549; ATCC® CCL-185™) with mycoplasma-cured reconstituted lyophilized material (BEI Resources lot V-210-003-514) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 5 days at 37°C with 5% CO<sub>2</sub>.

**Passage History:**

KB(9)/Unk(?)/A(5) (Prior to deposit at BEI Resources/Abbott Laboratories/BEI Resources); KB = Human oral epidermoid carcinoma cells; Unk = unknown; A = A549 cells

**Lot: 70040924**

**Manufacturing Date: 16JAN2022**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in A549 Cells</b>	Cell rounding and detachment	Cell rounding and detachment
<b>Sequencing of Species-Specific Region</b> (~ 890 nucleotides)	≥ 98% identity with ADV10), JJ (GenBank: AB724351.1)	100% identity with ADV10), JJ (GenBank: AB724351.1)
<b>Titer by TCID<sub>50</sub> Assay in A549 Cells by Direct Fluorescent Antibody<sup>1,2</sup></b> (7 days at 37°C with 5% CO <sub>2</sub> )	Report results	1.6 × 10 <sup>8</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>3</sup> 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
<b>Mycoplasma Contamination</b> 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

<sup>1</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) endpoint is the 50% infectious endpoint in cell culture. The TCID<sub>50</sub> 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% (LD<sub>50</sub>) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer (or infectivity) of a virus preparation.

<sup>2</sup>Using anti-Adeno FITC-labelled antibody (Light Diagnostics 5016)

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

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15 JUN 2022

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