

**Human Parainfluenza Virus 3, NIH 47885**

**Catalog No. NR-3233**

**Product Description:**

NR-3233 is derived from NIAID catalog number V-323-002-020 at BEI Resources. Human parainfluenza virus 3 (HPIV3), NIH 47885 is the laboratory-adapted strain of HPIV3, Wash/47885/57. NR-3233 lot 70051845 was produced by infecting *Cercopithecus aethiops* kidney cells (Vero E6; ATCC® CRL-1586™) and incubating in Eagle's Minimum Essential Medium (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 7 days at 37°C with 5% CO<sub>2</sub>.

**Passage History:**

MK(2)CE(23)SM(1)CE(1)SM(1)CE(10)AGMK(3)/VE(1) (Prior to deposit at BEI Resources/BEI Resources); MK = Monkey kidney cells; CE = Chicken embryonated egg; SM = Suckling mice; AGMK = African green monkey kidney cells; VE = Vero E6 cells

**Lot: 70051845**

**Manufacturing Date: 26MAY2022**

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TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in Vero E6 Cells</b>	Cell rounding and detachment	Cell rounding and detachment
<b>Sequencing of Species-Specific Region</b> Nucleocapsid gene (~ 940 nucleotides)	≥ 98% identity with HPIV3, strain NIH 47885 (GenBank: D10025.1)	100% identity with HPIV3, strain NIH 47885 (GenBank: D10025.1)
<b>Titer by TCID<sub>50</sub> Assay in Vero E6 Cells by Cytopathic Effect<sup>1</sup></b> (6 days at 37°C with 5% CO <sub>2</sub> )	Report results	8.9 × 10 <sup>7</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth, 37°C and 26°C, aerobic <sup>2</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>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

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Technical Manager or designee, ATCC Federal Solutions

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