

**Human Parainfluenza Virus 3, NIH 47885**

**Catalog No. NR-3233**

This reagent is the property of the U.S. Government.

**Product Description:** Tissue culture media from African green monkey kidney cells infected with human parainfluenza virus 3 (HPIV-3), NIH 47885, with 4% sorbitol and 4% N-Z amine added

**Lot: V-323-002-020**

**Manufacturing Date: ~ 1971**

TEST	SPECIFICATIONS	RESULTS (FEB 2012)
Identification by Infectivity Using Vero Cells <sup>1</sup>	Report results	Syncytia formation, cell rounding, and dissociation of monolayer
Identification by Direct Fluorescent Antibody Assay <sup>2</sup>	Report results	Fluorescence observed
Sequencing of Species-Specific Region (912 nucleotides)	Consistent with HPIV-3	Identical to HPIV-3 nucleocapsid protein, complete coding sequence (GenBank: M14552)
Titer by TCID <sub>50</sub> Assay in Vero Cells with Direct Fluorescent Antibody Staining Readout <sup>1-4</sup>	Report results	5.0 × 10 <sup>4</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 37°C and 26°C, aerobic 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 and 5% CO <sub>2</sub>	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 No growth No growth
<b>Mycoplasma Contamination</b> Agar and broth culture (14-day incubation at 37°C) DNA Detection by PCR of Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>ATCC® CCL-81™

<sup>2</sup>Using Light Diagnostics™ Parainfluenza 1, 2, and 3 DFA (Millipore 3120)

<sup>3</sup>Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate (ATCC® 30-2003) and 2% fetal bovine serum (ATCC® 30-2020) for 9 days at 37°C with 5% CO<sub>2</sub>

<sup>4</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) 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>5</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 27 JUN 2012

**Signature:** *Dorothy C. Young*

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

