

Trocara Virus, PE 70009

Catalog No. NR-739

Product Description: Cell lysate and supernatant from African green monkey kidney (VERO 76) cells¹ infected with Trocara virus, PE 70009.

Lot²: 57624748

Manufacturing Date: 18FEB2007

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in VERO 76 Cells ¹	Report results	Cell rounding and lysis
Sequencing of Trocara Virus Specific Region	Consistent with Trocara virus	Consistent with Trocara virus
Titer by TCID ₅₀ ^{3,4} in VERO 76 Cells ¹	Report results	8.9 X 10 ⁷ TCID ₅₀ /mL ⁴
Functional Activity by RT-PCR Assay	~ 550 bp amplicon	~ 550 bp 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 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 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 Test Article nucleic acid	None detected None detected	None detected None detected

¹VERO 76 cells: ATCC® CRL-1587™.

²Grown in Minimum Essential Medium containing Earle's salts and non-essential amino acids (Invitrogen™ 10370-021) supplemented with 2% irradiated fetal bovine serum (Cambrex® 14-471E), 2 mM L-glutamine (Invitrogen™ 25030), and 1 mM sodium pyruvate (Invitrogen™ 11360) for 2 days at 37°C and 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.

⁴6 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.

Date: 03 MAR 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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