

Monkeypox Virus, USA-2003

Catalog No. NR-2500

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Product Description: Cell lysate and supernatant from African green monkey (MA-104 Clone 1) cells¹ infected with monkeypox virus, USA-2003.

Lot²: 57935484

Manufacturing Date: 19NOV2007

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MA-104 Clone 1 Cells ¹	Cell rounding and sloughing	Cell rounding and sloughing
Identification by Sequencing of Hemagglutinin (HA) Gene	Identical to monkeypox virus, USA-2003-039 and USA-2003-044	Identical to monkeypox virus, USA-2003-039 and USA-2003-044 ³
Titer by Plaque Assay in Vero E6 Cells ^{4,5}	Report results	3.2 X 10 ⁷ pfu/mL
Sterility (21-day incubation) Harpo's HTYE broth ⁶ , 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

¹MA-104 Clone 1 cells: ATCC® CRL-2378.1.

²Grown from deposited material in Minimum Essential Medium containing Earle's salts and non-essential amino acids (Invitrogen™ 10370) supplemented with 2% irradiated fetal bovine serum (Cambrex® 14-471F), 1 mM sodium pyruvate (Invitrogen™ 11360) and 2 mM L-glutamine (Invitrogen™ 25030) for 72 hours at 37°C and 5% CO₂.

³Also identical to the HA gene of other strains/isolates of monkeypox virus.

⁴Vero E6 cells: ATCC® CRL-1586™.

⁵96 hours at 37°C and 5% CO₂ with media overlay and crystal violet staining.

⁶Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 02 APR 2008

Signature: Signature of File

Title: Technical Manager, BEI Authentication or designee

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