

Measles Virus, Edmonston

Catalog No. NR-44362

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Derived from NIAID Catalog No. V-328-001-020

Product Description: Cell lysate and supernatant from fetal human lung fibroblast cells¹ infected with measles virus, Edmonston

Lot²: 62905409

Manufacturing Date: 16SEP2014

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in MRC-5 Cells¹	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (910 nucleotides)	Consistent with measles virus, Edmonston	100% identity with measles virus, Edmonston (GenBank: K01711)
Titer by TCID₅₀ Assay^{3,4} in MRC-5 Cells¹	Report results	1.6 × 10 ⁵ TCID ₅₀ per mL
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

¹MRC-5 cells (ATCC® CCL-171™)

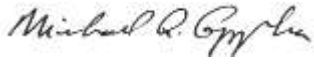
²Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) supplemented with 2% fetal bovine serum (ATCC® 30-2020™) for 11 days at 37°C and 5% CO₂

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.

⁴14 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: 09 DEC 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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