

**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 cells<sup>1</sup> infected with measles virus, Edmonston

**Lot<sup>2</sup>: 62052482**

**Manufacturing Date: 01NOV2013**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in MRC-5 Cells<sup>1</sup></b>	Cell shrinking and detachment	Cell shrinking and detachment
<b>Sequencing of Species-Specific Region (926 nucleotides)</b>	Consistent with measles virus, Edmonston	100% identity with measles virus, Edmonston (GenBank: K01711)
<b>Titer by TCID<sub>50</sub> Assay<sup>3,4</sup> in MRC-5 Cells<sup>1</sup></b>	Report results	2.8 × 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
<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>MRC-5 cells (ATCC® CCL-171™)

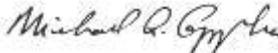
<sup>2</sup>Grown in Eagle's Minimum Essential Medium (ATCC® 30-2003™) for 8 days at 37°C and 5% CO<sub>2</sub>

<sup>3</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>4</sup>14 days at 37°C and 5% CO<sub>2</sub>

<sup>5</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 06 MAR 2014

**Signature:** 

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

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