

**Genomic RNA from Measles Virus, Edmonston**

**Catalog No. NR-44104**

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

**Product Description:** Genomic RNA was isolated from a preparation of cell lysate and supernatant from MRC-5 cells<sup>1</sup> infected with measles virus, Edmonston.

**Lot<sup>2</sup>: 62819330**

**Manufacturing Date: 19AUG2014**

TEST	SPECIFICATIONS	RESULTS
<b>Sequencing of Species-Specific Region (802 nucleotides)</b>	Consistent with measles virus, Edmonston Consistent with NR-44362	100% identity with measles virus, Edmonston (GenBank: K01711) Consistent with NR-44362
<b>Functional Activity by RT-PCR Amplification<sup>3</sup></b>	~ 1020 bp amplicon	~ 1020 bp amplicon (Figure 1)
<b>Total RNA Content by RiboGreen<sup>®</sup> Measurement (Viral, Cellular and Carrier)</b>	Report results	111 ng per 100 µL
<b>Virus Inactivation</b> 10% of total yield inoculated on MRC-5 cells <sup>1</sup> and evaluated by immunofluorescence assay (IFA) <sup>4</sup>	No virus detected	No virus detected

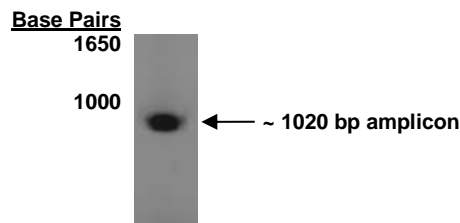
<sup>1</sup>MRC-5 cells (ATCC<sup>®</sup> CCL-171™)

<sup>2</sup>Nucleic acid was extracted from a preparation of Measles Virus, Edmonston (BEI Resources NR-44362, Lot 62052482), using a QIAamp<sup>®</sup> Viral RNA Mini Kit (Qiagen 52906).

<sup>3</sup>Amplified using iTaq<sup>™</sup> Universal SYBR<sup>®</sup> Green One-Step Kit (Bio-Rad 172-5151) with 10 µL of NR-44104 in a 50 µL reaction

<sup>4</sup>Using Anti-Measles Antibody, nucleoprotein, clone 83KKII, FITC-conjugated (Millipore MAB8906F)

**Figure 1**



**Date:** 24 OCT 2014

**Signature:** *Michael R. Gynther*

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

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