

**SARS-CoV, Gamma-Irradiated and Sucrose-Purified, 1 x 10<sup>8</sup> PFU Equivalents per mL in Spent Vero E6 Cell DMEM**

**Catalog No. NR-9548**

This reagent is the property of the U.S. Government.

**Product Description:** NR-9548 is a preparation of SARS coronavirus (SARS-CoV; Urbani strain) that has been inactivated using gamma irradiation.

**Lot: 58542037**

**Manufacturing Date: 14SEP2007**

TEST	SPECIFICATIONS	RESULTS
<b>Virus Inactivation by Analysis of Cytopathic Effect after 2 Consecutive Passages in Vero E6 Cells<sup>1</sup></b>	No detectable viable SARS-CoV	No detectable viable SARS-CoV
<b>Concentration<sup>2</sup></b>	Report results	1 x 10 <sup>8</sup> pfu equivalents per mL
<b>Functional Activity</b> Antigenicity in mice immunized with NR-9548 <sup>3</sup>  Western blot analysis using pool of antibodies to S, M, and N proteins <sup>4</sup> ELISA using pool of antibodies to S and N proteins <sup>4</sup>	Report results  Reactive with S, M, and N proteins  Reactive	Neutralizing serum titers elicited ranging from 1:40 to 1:160 Reactive with S, M, and N proteins  Reactive
<b>RT-PCR of Extracted RNA<sup>4</sup></b>	~ 800 nucleotide amplicon	~ 800 nucleotide amplicon

<sup>1</sup>Performed prior to sucrose gradient centrifugation

<sup>2</sup>Calculated based on titer prior to irradiation

<sup>3</sup>Performed prior to vialing

<sup>4</sup>Performed on sucrose gradient fractions

**Date:** 04 MAY 2009

**Signature:** Signature on File

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

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