Certificate of Analysis for NR-9547

SARS-CoV, Gamma-Irradiated and Sucrose-Purified, 1 x 10^9 PFU Equivalents per mL in PBS

Catalog No. NR-9547

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

Product Description: NR-9547 is a preparation of SARS coronavirus (SARS-CoV; Urbani strain) that has been inactivated using gamma irradiation.

Lot: 58542036 **Manufacturing Date: 14SEP2007**

TEST	SPECIFICATIONS	RESULTS
Virus Inactivation by Analysis of Cytopathic Effect after 2 Consecutive Passages in Vero E6 Cells[1]	No detectable viable SARS-CoV	No detectable viable SARS-CoV
Concentration[2]	Report results	1 x 10^9 pfu equivalents per mL
Functional Activity Antigenicity in mice immunized with NR-9547[3] Western blot analysis using pool of antibodies to S, M, and N proteins[4] ELISA using pool of antibodies to S and N proteins[4]	 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
RT-PCR of Extracted RNA[4]	~ 800 nucleotide amplicon	~ 800 nucleotide amplicon

[1]Performed prior to sucrose gradient centrifugation
[2]Calculated based on titer prior to irradiation
[3]Performed prior to vialing
[4]Performed on sucrose gradient fractions

Date: 04 MAY 2009 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

Support Provided by NIAID

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