

**Bat SARS-Like Coronavirus, Recombinant, Containing the SARS Coronavirus Urbani Strain Spike Glycoprotein Receptor-Binding Domain**

**Catalog No. NR-44009**

**Product Description:** Cell lysate and supernatant from Vero E6 (C1008) cells<sup>1</sup> infected with recombinant bat severe acute respiratory syndrome (SARS)-like coronavirus (CoV) containing the SARS-CoV, Urbani spike glycoprotein receptor-binding domain (Bat-SRBD)

**Lot<sup>2</sup>: 62502925**

**Manufacturing Date: 16MAY2014**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in Vero E6 Cells <sup>1</sup>	Rounding and sloughing	Rounding and sloughing
Sequencing of Strain-Specific Region (809 nt)	Consistent with recombinant coronavirus, Bat-SRBD	100% identity with recombinant coronavirus, Bat-SRBD (GenBank: FJ211860) <sup>3</sup>
Titer by TCID <sub>50</sub> Assay in Vero E6 Cells <sup>1,4,5</sup>	Report results	2.8 × 10 <sup>6</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>6</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 extracted Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>Vero E6 (also Vero C1008) cells: ATCC® CRL-1586™

<sup>2</sup>Grown in Eagle's Minimum Essential Medium containing Earle's salts and non-essential amino acids (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 3 days at 37°C and 5% CO<sub>2</sub>

<sup>3</sup>The portion of the NR-44009 genome sequenced at BEI Resources included 540 nucleotides encoding the receptor-binding domain of SARS-CoV Urbani (GenBank: AY278741) and short flanking regions from the bat SARS-CoV spike glycoprotein gene (GenBank: FJ211859).

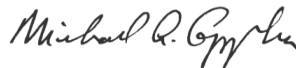
<sup>4</sup>7 days at 37°C and 5% CO<sub>2</sub>

<sup>5</sup>TCID<sub>50</sub> (50% tissue culture infectious dose): The TCID<sub>50</sub> is the 50% infectious endpoint in tissue 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. A reciprocal of the dilution required to yield the TCID<sub>50</sub> provides a measure of the titer of a virus preparation.

<sup>6</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 03 DEC 2014

**Signature:**



**Title:**

Technical Manager, BEI Authentication or designee

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