

**Venezuelan Equine Encephalitis Virus, TC-83**

**Catalog No. NR-63**

(Derived from ATCC® VR-1249™)

**Product Description:** Cell lysate and supernatant from African green monkey kidney (Vero) cells<sup>1</sup> infected with Venezuelan equine encephalitis (VEE) virus, TC-83.

**Lot<sup>2</sup>: 3579612**

**Manufacturing Date: 10MAR2004**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in Vero Cells<sup>1</sup></b>	Cell rounding and cell lysis	Cell rounding and cell lysis
<b>Genotypic Analysis</b> Sequencing within E2 envelope glycoprotein <sup>3</sup>	VEE virus, TC-83	VEE virus, TC-83
<b>Titer by TCID<sub>50</sub> Assay<sup>4,5</sup> in Vero Cells<sup>1</sup></b>	Report results	1.6 X 10 <sup>8</sup> TCID <sub>50</sub> /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 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 cells: ATCC® CCL-81™.

<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® 30-2021) for 7 days at 37°C and 5% CO<sub>2</sub>.

<sup>3</sup>Kinney, R. M., et al. "Attenuation of Venezuelan Equine Encephalitis Virus Strain TC-83 is Encoded by the 5'-Noncoding Region and the E2 Envelope Glycoprotein." *J. Virol.* 67 (1993): 1269-1277. PubMed: 7679745.

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

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

**Date:** 27 NOV 2006

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication

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