

**Encephalomyocarditis Virus (Tissue Culture Adapted)**

**Catalog No. NR-15576**

**Product Description:** Cell lysate and supernatant from *Cercopithecus aethiops* kidney Vero cells<sup>1</sup> infected with tissue culture adapted encephalomyocarditis virus (EMCV).

**Lot<sup>2</sup>: 59536727**

**Manufacturing Date: 02DEC2010**

TEST	SPECIFICATIONS	RESULTS
<b>Identification by Infectivity in Vero Cells<sup>1</sup></b>	Report results	Refractile rounding and sloughing
<b>Sequencing of EMC Virus-Specific Sequence (919 nucleotides)</b>	Consistent with EMCV	Consistent with EMCV
<b>Titer by TCID<sub>50</sub> Assay in Vero Cells With CPE Readout<sup>1,3,4</sup></b>	Report results	8.9 x 10 <sup>7</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>7</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 Test Article nucleic acid	None detected None detected	None detected None detected

<sup>1</sup>ATCC® CCL-81™

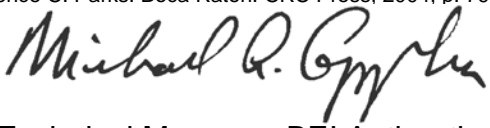
<sup>2</sup>Grown in Eagle's Minimum Essential Medium containing Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate (ATCC® 30-2003) supplemented with 2% fetal bovine serum (ATCC® 30-2020) for 2 days at 37°C with 5% CO<sub>2</sub>.

<sup>3</sup>The Tissue Culture Infectious Dose 50% (TCID<sub>50</sub>) 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>4</sup>2 days at 35°C with 5% CO<sub>2</sub>

<sup>5</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 09 FEB 2015

**Signature:** 

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

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