

**Enterovirus D68, US/MO/14-18949**

**Catalog No. NR-49130**

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**Product Description:** Cell lysate and supernatant from human rhabdomyosarcoma cells<sup>1</sup> infected with Enterovirus D68, US/MO/14-18949

**Passage History:** RD4/RD2 (Centers for Disease Control and Prevention/BEI Resources; RD# = Number of passages in RD cells)

**Lot<sup>2</sup>: 63214436**

**Manufacturing Date: 23JAN2015**

TEST	SPECIFICATIONS	RESULTS
Identification by Infectivity in RD Cells <sup>1</sup>	Cell rounding and detachment	Cell rounding and detachment
Sequencing of Species-Specific Region (959 nucleotides)	Consistent with Enterovirus D68, US/MO/14-18949	100% identity with Enterovirus D68, US/MO/14-18949 (GenBank: KM851227)
Titer by TCID <sub>50</sub> Assay <sup>3,4</sup> in RD Cells <sup>1</sup>	Report results	1.6 × 10 <sup>7</sup> TCID <sub>50</sub> per mL
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</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	None detected None detected None detected None detected None detected None detected None detected
<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>RD cells (ATCC<sup>®</sup> CCL-136<sup>™</sup>)


<sup>2</sup>Grown in Eagle's Minimum Essential Medium (ATCC<sup>®</sup> 30-2003<sup>™</sup>) for 2 days at 33°C and 5% CO<sub>2</sub>

<sup>3</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>4</sup>6 days at 33°C and 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:** 23 MAR 2015

**Signature:** 

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

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