

**Enterovirus D68, US/IL/14-18956**

**Catalog No. NR-49133**

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**Product Description:** Cell lysate and supernatant from human rhabdomyosarcoma cells<sup>1</sup> infected with Enterovirus D68, US/IL/14-18956

**Passage History:** RD4 (RD# = Number of passages in RD cells)

**Lot<sup>2,3</sup>: 63264128**

**Manufacturing Date: 03OCT2014**

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 (1000 nucleotides)	Consistent with Enterovirus D68	Consistent with Enterovirus D68 <sup>4</sup>
Titer by TCID <sub>50</sub> Assay <sup>5,6</sup> in RD Cells <sup>1</sup>	Report results	2.8 × 10 <sup>8</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	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® CCL-136™)

<sup>2</sup>Produced at the Poliovirus and Picornavirus Laboratory Branch, Division of Viral Diseases, Centers for Disease Control and Prevention, Atlanta, Georgia, USA.

<sup>3</sup>Grown in Eagle's Minimum Essential Medium at 33°C and 5% CO<sub>2</sub>


<sup>4</sup>Sequence information for Enterovirus D68, US/IL/14-18956 is not available in the NCBI database. The nucleotide sequence obtained for NR-49133, Lot 63264128 matched a partial genomic sequence provided by the depositor with 99.9% identity, and was consistent with other strains isolated during the 2014 outbreak.

<sup>5</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>6</sup>4 days at 33°C and 5% CO<sub>2</sub>

<sup>7</sup>Atlas, Ronald M. Handbook of Microbiological Media. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Date:** 15 JUL 2015

**Signature:** 

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