

Genomic RNA from Enterovirus Species D Type 68, US/MO/14-18949

Catalog No. NR-49135

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from human rhabdomyosarcoma cells (RD, ATCC® CCL-136™) infected with enterovirus species D type 68 (EV-D68), US/MO/14-18949 (BEI Resources lot 64033226) using QIAamp® Viral RNA Mini Kit (Qiagen® 52906). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA.

Lot: 70041161

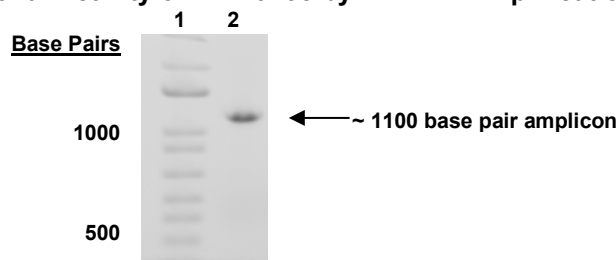
Manufacturing Date: 28JAN2021

TEST	SPECIFICATIONS	RESULTS
Genotypic Analysis Sequencing of species-specific region	≥ 98% identity with EV-D68, US/MO/14-18949 (GenBank: KM851227)	100% identity with EV-D68, US/MO/14-18949 (GenBank: KM851227)
Functional Activity by RT-PCR Amplification¹ Capsid gene	~ 1100 base pair amplicon	~1100 base pair amplicon (Figure 1)
Total RNA Content by RiboGreen® Measurement (Viral, Cellular and Carrier)	Report results	5.6 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on rhabdomyosarcoma cells and evaluated for cytopathic effect after serial passage ²	No viable virus detected	No viable virus detected

¹Amplified using iTaq™ Universal SYBR Green One-step Kit (Bio-Rad® 172-5151) with 5 µL of NR-49135 in a 50 µL reaction

²Use of the QIAamp® Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of SARS-CoV-2 as shown by the absence of cytopathic effect (CPE) and viral RNA expression by RT-PCR after plating the entire extract on virus-susceptible cells for two passages.

Figure 1: Functional Activity of NR-49135 by RT-PCR Amplification



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder

Lane 2: PCR product from 1 µL of NR-49135

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