

Genomic RNA from Chikungunya Virus, S-27

Catalog No. NR-50129

Product Description: Genomic RNA was isolated from a preparation of clarified supernatant from *Cercopithecus aethiops* kidney epithelial cells (Vero E6)¹ infected with chikungunya virus (CHIKV), S-27.

Lot²: 70005271

Manufacturing Date: 05MAY2017

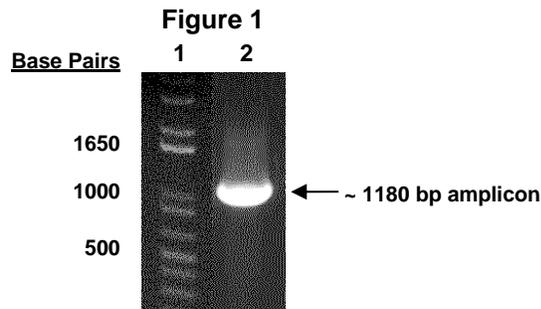
TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (1065 nucleotides)	Consistent with CHIKV, S-27 Consistent with NR-13220	100% identity with CHIKV, S-27 (GenBank: AF369024) Consistent with NR-13220
Functional Activity by RT-PCR Amplification³	~ 1180 bp amplicon	~ 1180 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular, and Carrier)	Report results	3.6 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on Vero cells ¹ and evaluated for cytopathic effect and by RT-PCR after serial passage ⁴	No viable virus detected	No viable virus detected

¹Vero E6 cells: ATCC[®] CRL-1586[™]

²Nucleic acid was extracted from a preparation of CHIKV, S-27 (BEI Resources NR-13220 lot 61216441) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using QIAGEN[®] One-Step Kit (Qiagen 210212) with 5 µL of NR-50129 in a 50 µL reaction.

⁴Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of CHIKV as shown by the absence of cytopathic effect and viral RNA expression by RT-PCR after plating the entire extract on virus-susceptible cells for two passages.



Lane 1: Invitrogen[™] TrackIt[™] 1 Kb Plus DNA Ladder
Lane 2: NR-50129

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