

Genomic RNA from Heartland Virus, MO-4

Catalog No. NR-50078

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial (Vero) cells¹ infected with Heartland virus (HRTV), MO-4.

Lot²: 63917438

Manufacturing Date: 27JAN2016

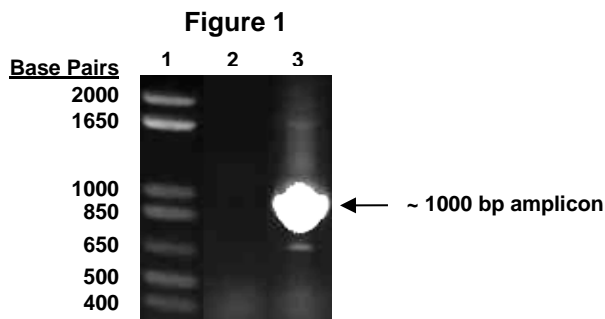
TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region Large (L) segment gene (884 nucleotides)	Consistent with HRTV, MO-4 Consistent with NR-49771	99% identity with HRTV, MO-4 (GenBank: JX005847) Consistent with NR-49771
Functional Activity by RT-PCR Amplification³	~ 1000 bp amplicon	~ 1000 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	0.4 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on Vero cells ¹ and evaluated for cytopathic effect ⁴	No virus detected	No virus detected

¹Vero cells: ATCC[®] CCL-81[™]

²Nucleic acid was extracted from a preparation of Heartland Virus, MO-4 (BEI Resources NR-49771, Lot 63721378), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq[™] Universal SYBR[®] Green One-Step Kit (Bio-Rad 172-5151) with 5 µL of NR-50078 in a 50 µL reaction

⁴Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of HRTV as shown by the absence of cytopathic effect (CPE) after plating the entire extract on virus-susceptible cells.



Lane 1: Invitrogen[™] TrackIt[™] 1 Kb Plus DNA Ladder
 Lane 2: Negative control
 Lane 3: NR-50078

Date: 22 MAR 2016

Signature:

BEI Resources Authentication

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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