

Genomic RNA from West Nile Virus, CO 1862

Catalog No. NR-50434

Product Description: Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Cercopithecus aethiops* kidney epithelial cells¹ infected with West Nile virus (WNV), CO 1862.

Lot²: 70003927

Manufacturing Date: 25APR2017

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (881 nucleotides)	Consistent with WNV Consistent with NR-49916	Consistent with WNV ³ Consistent with NR-49916
Functional Activity by RT-PCR Amplification⁴	~ 950 bp amplicon	~ 950 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	0.3 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 ⁵	No viable virus detected	No viable virus detected

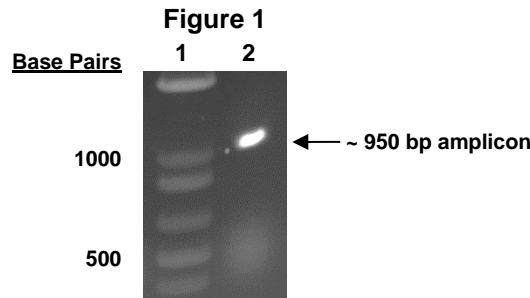
¹Vero cells: ATCC[®] CCL-81™

²Nucleic acid was extracted from a preparation of WNV, CO 1862 (BEI Resources NR-49916 lot 63902493), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Sequence information for WNV, CO 1862 is not available in the NCBI database; nucleotide sequence obtained for NR-50434 lot 70003927 is highly similar to numerous WNV strains.

⁴Amplified using iTaq[™] Universal SYBR Green One-step Kit (Bio-Rad 172-5151) with 5 µL of NR-50434 in a 50 µL reaction

⁵Use of the QIAamp[®] Viral RNA Mini Kit has been demonstrated to consistently inactivate 100% of WNV 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.



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: NR-50434

Date: 22 JAN 2018

Signature: *Michael R. Gynther*

BEI Resources Authentication

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