

Genomic RNA from West Nile Virus, Bird 114

Catalog No. NR-9573

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), Bird 114.

Lot²: 64496115

Manufacturing Date: 17AUG2016

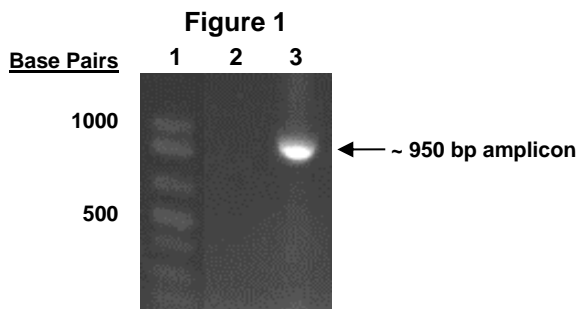
TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region Glycoprotein gene (721 nucleotides)	Consistent with WNV, Bird 114	100% identity with WNV, Bird 114 (GenBank: AY185907)
Functional Activity by RT-PCR Amplification³	~ 950 bp amplicon	~ 950 bp amplicon (Figure 1)
Total RNA Content by RiboGreen[®] Measurement (Viral, Cellular and Carrier)	Report results	11.3 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 ⁴	No viable virus detected	No viable virus detected

¹Vero cells: ATCC[®] CCL-81™

²Nucleic acid was extracted from a preparation of WNV, Bird 114 (BEI Resources NR-9538, Lot 58276853), using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq™ DNA Polymerase Kit (Bio-Rad 170-8870) with 5 µL of NR-9573 in a 50 µL reaction

⁴Use 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: Negative control
 Lane 3: NR-9573

Date: 19 APR 2017

Signature: *Michael R. Gynther*

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.

ATCC[®] is a trademark of the American Type Culture Collection. You are authorized to use this product for research use only. It is not intended for human use.

