

Genomic DNA from Vaccinia Virus, Lister (Elstree)

Catalog No. NR-2635

Product Description: Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey (Vero) cells¹ infected with vaccinia virus, Lister (Elstree).

Lot²: 61957621

Manufacturing Date: 21AUG2013

TEST	SPECIFICATIONS	RESULTS
Sequencing of Species-Specific Region (976 nucleotides)	Consistent with vaccinia virus, Lister (Elstree)	99% identity with vaccinia virus, Lister (Elstree) (GenBank: AY678276)
Functional Activity by RT-PCR Amplification³	~ 1100 bp amplicon	~ 1100 bp amplicon (Figure 1)
Total DNA Content by PicoGreen[®] Measurement (Viral and Cellular)	Report results	71 ng per 100 µL
Virus Inactivation 10% of total yield inoculated on Vero cells ¹ and evaluated for cytopathic effect ^{4,5}	No viable virus detected	No viable virus detected

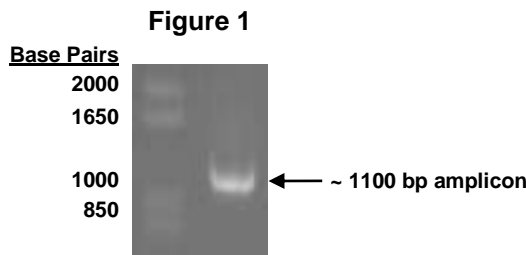
¹Vero cells: ATCC[®] CCL-81™

²Nucleic acid was extracted from a preparation of Vaccinia Virus, Lister (Elstree) (BEI Resources NR-51, Lot 3579602) using a QIAamp[®] Viral RNA Mini Kit (Qiagen 52906).

³Amplified using iTaq™ DNA Polymerase (Bio-Rad 10966-026) with 5 µL of NR-2635 in a 50 µL reaction

⁴7 days at 37°C and 5% CO₂

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



Date: 06 NOV 2013

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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