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) cells infected with vaccinia virus, Lister (Elstree).

Lot: 61957621

Manufacturing Date: 21AUG2013

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sequencing of Species-Specific Region (976 nucleotides)</td>
<td>Consistent with vaccinia virus, Lister (Elstree)</td>
<td>99% identity with vaccinia virus, Lister (Elstree) (GenBank: AY678276)</td>
</tr>
<tr>
<td>Functional Activity by RT-PCR Amplification³</td>
<td>~ 1100 bp amplicon</td>
<td>~ 1100 bp amplicon (Figure 1)</td>
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<tr>
<td>Total DNA Content by PicoGreen® Measurement</td>
<td>Report results</td>
<td>71 ng per 100 µL</td>
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<tr>
<td>(Viral and Cellular)</td>
<td></td>
<td></td>
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<tr>
<td>Virus Inactivation</td>
<td>No viable virus detected</td>
<td>No viable virus detected</td>
</tr>
<tr>
<td>10% of total yield inoculated on Vero cells¹ and evaluated for cytopathic effect⁴,⁵</td>
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</tbody>
</table>

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:______________________________

Title: Technical Manager, BEI Authentication or designee

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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