Genomic DNA from Vaccinia Virus, Lister (Elstree)

Catalog No. NR-2635

For research use only. Not for use in humans.

Contributor: ATCC®

Manufacturer: BEI Resources

Product Description:
Genomic DNA was isolated from a preparation of cell lysate and supernatant from African green monkey cells (Vero; ATCC® CCL-81™) infected with vaccinia virus, Lister (Elstree). Vaccinia virus, Lister (Elstree) was originally isolated from the skin of a sheep. The Lister (Elstree) strain was widely used during the World Health Organization program on the eradication of smallpox.  The complete genomic sequence of vaccinia virus, Lister (Elstree) has been determined (GenBank: AY678276).

NR-2635 has been qualified for PCR applications by amplification of an approximately 1100 base pair sequence. NR-2635 is not intended for use as a standard for quantitative PCR. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:
Each vial contains a target amount of 1 × 10^8 copies of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.5) containing sodium azide. The actual number of copies per vial may vary from 10-fold lower to 10-fold higher. The number of copies per vial and the concentration are shown on the Certificate of Analysis. The viral genomic DNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-2635 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Genomic DNA from Vaccinia Virus, Lister (Elstree), NR-2635.”

Biosafety Level: 1

Disclaimers:
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References:

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