

Genomic DNA from Cowpox Virus, Brighton Red

Catalog No. NR-2641

For research use only. Not for human use.

Contributor:
ATCC®

Manufacturer:
BEI Resources

Product Description:

Genomic DNA was extracted from a preparation of cell lysate and supernatant from African green monkey kidney cells (ATCC® CCL-26™) infected with cowpox virus, Brighton Red (BEI Resources NR-88).

The Brighton strain was derived from a lesion on the finger of a cowman on a farm near Brighton, England in 1937.¹ It has been passaged multiple times in guinea pigs and rabbits.² The complete genomic sequence of cowpox virus, Brighton Red has been determined (GenBank: AF482758).³⁻⁶

NR-2641 has been qualified for PCR applications by amplification of an approximately 1000 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains 100 µL of viral genomic DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The viral genomic DNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Each vial of NR-2641 lot 5075337, which is no longer available, contained a target amount of 1×10^8 copies of viral genomic DNA in TE buffer (pH 7.5) containing sodium azide.

Packaging/Storage:

NR-2641 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 Cowpox Virus, Brighton Red, NR-2641."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and

Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

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4. Parsons, B. L. and D. J. Pickup. "Transcription of Orthopoxvirus Telomeres at Late Times During Infection." *Virology* 175 (1990): 69-80. PubMed: 2309453.
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