

## Plasmid Containing a Segment of the E9L Gene from Vaccinia Virus, New York City Board of Health, Linearized

### Catalog No. NR-9343

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### For research use only. Not for human use.

#### Contributor:

NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH

#### Product Description:

A segment of the E9L gene from vaccinia virus, New York City Board of Health (BEI Resources NR-54) was amplified from extracted DNA and cloned into a commercial vector. The plasmid was produced in *Escherichia coli* DH5 $\alpha$ ™-T1<sup>R</sup> cells, extracted using a QIAGEN Plasmid Maxi Kit and linearized with *Hind*III.

NR-9343 has been qualified for use as a standard for real-time quantitative PCR. A Pan-Orthopox Virus E9L Gene-Specific Quantitative PCR Assay Detection Kit containing forward and reverse primers, probe and NR-9343 is available as BEI Resources NR-9350.

#### Material Provided:

Each vial contains approximately 45 ng of plasmid DNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The concentration is shown on the Certificate of Analysis.

#### Packaging/Storage:

NR-9343 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

#### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Plasmid Containing a Segment of the E9L Gene from Vaccinia Virus, New York City Board of Health, Linearized, NR-9343."

#### 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, 2007; see [www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm).

HHS Publication No. (CDC) 93-8395. This text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm).

#### Disclaimers:

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#### References:

1. Kulesh, D. A., et al. "Smallpox and Pan-Orthopox Virus Detection by Real-Time 3'-Minor Groove Binder TaqMan Assays on the Roche LightCycler and the Cepheid Smart Cycler Platforms." *J. Clin. Microbiol.* 42 (2004): 601-609. PubMed: 14766823.

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