

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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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 α TM-T1^R cells, extracted using a QIAGEN Plasmid Maxi Kit and linearized with *Hind*III.

Lot¹: 57972982

Manufacturing Date: 09JUL2007

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis of Linearized Plasmid DNA¹	Migrates as a single band at ~ 4,100 bp	Migrates as a single band at ~ 4,100 bp
Sequencing of E9L Insert (178 bp)	Report results	Identical to NR-54 sequence
DNA Concentration by PicoGreen[®] Measurement	Report results	450 ng/mL (45 ng/100 μ L)
Concentration of DNA Molecules	Calculated using PicoGreen [®] concentration and molecular weight of plasmid	1 X 10 ¹¹ molecules per mL (5 X 10 ⁸ molecules per 5 μ L)

¹DNA from vaccinia virus, NYCBH (BEI Resources NR-54) was extracted using a QIAamp Viral RNA Minikit (QIAGEN 52904). The HA gene was amplified and cloned into a commercial vector. Plasmid DNA was extracted using a Plasmid Maxi Kit (QIAGEN 12162). Purified plasmid DNA was linearized with *Hind*III (New England BioLabs, Inc. R0105S).

Date: 03 MAR 2008

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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