

Genomic DNA from *Toxoplasma gondii*, Strain VEG

Catalog No. NR-33510

Product Description:

Genomic DNA was isolated from *Toxoplasma gondii* (*T. gondii*), strain VEG, which was originally isolated from the blood of an AIDS patient with toxoplasmic encephalitis in California in 1989. NR-33510 was extracted from BEI Resources NR-20730 lot 70054766 using proprietary technology. NR-33510 is provided in 10 mM Tris-HCl, 1 mM EDTA, ~ pH 7.5.

Lot: 70064040

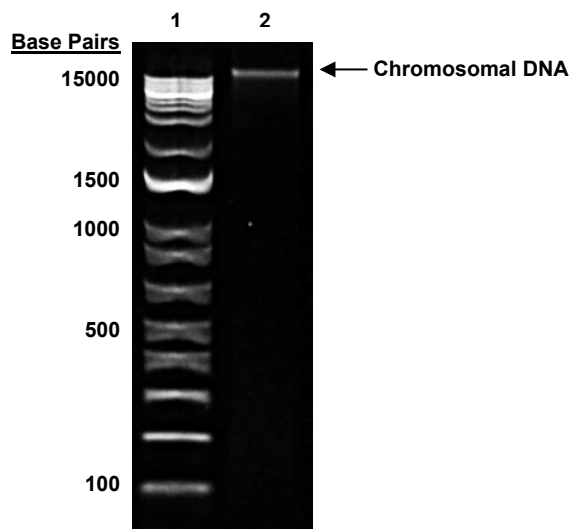
Manufacturing Date: 02MAY2024

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
Concentration by PicoGreen® Measurement	0.2 to 3.5 µg in 20 to 200 µL/vial	0.87 µg in 88 µL/vial (10 µg/mL)
Amount per Vial	0.2 to 3.5 µg	0.87 µg
Genotypic Analysis Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 530 base pairs)	≥ 99% sequence identity to <i>T. gondii</i> , strain VEG (GenBank: AAYL02000042.1)	100% sequence identity to <i>T. gondii</i> , strain VEG (GenBank: AAYL02000042.1)
Functional Activity by PCR Amplification ¹ UPRT intron 1	~ 560 base pair amplicon	~ 560 base pair amplicon
OD ₂₆₀ /OD ₂₈₀ Ratio	1.7 to 2.1	1.9
Protozoan Inactivation 10% of total DNA yield inoculated on human foreskin fibroblast monolayers (ATCC® CRL-1634™) in DMEM (ATCC® 30-2002) with 10% heat-inactivated fetal bovine serum for 14 days at 37°C in an aerobic atmosphere with 5% CO ₂	No viable organisms detected	No viable organisms detected

¹Primer sequences and conditions for PCR are available upon request.

Certificate of Analysis for NR-33510

Figure 1: Agarose Gel Electrophoresis



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder
Lane 2: ~ 200 ng of NR-33510

/Sonia Bjorum Brower/

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16 APR 2026

Technical Manager or designee, ATCC Federal Solutions

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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