

**Genomic DNA from *Toxoplasma gondii*, Strain GT-1**

**Catalog No. NR-33509**

**Product Description:** Genomic DNA was isolated from *Toxoplasma gondii* (*T. gondii*), strain GT-1, which was originally isolated from a goat with toxoplasmosis in Magnetic Springs, Ohio, in 1979.

**Lot<sup>1</sup>: 60671921**

**Manufacturing Date: 07DEC2011**

TEST	SPECIFICATIONS	RESULTS
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA Band	High molecular weight chromosomal DNA Band
<b>Content by PicoGreen<sup>®</sup> Measurement</b>	1 to 3 µg in 25 to 100 µL per vial	2.5 µg in 27 µL per vial (94 µg/mL)
<b>Functional Activity by PCR Amplification<sup>2</sup></b> Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1	~ 560 bp amplicon	~ 560 bp amplicon
<b>Genotypic Analysis</b> UPRT intron 1 (~ 470 bp)	Consistent with <i>T. gondii</i>	Consistent with <i>T. gondii</i>
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 2.0	1.9
<b>Inactivation of Source Culture</b> 100% of vial contents inoculated on human foreskin fibroblast monolayers (ATCC <sup>®</sup> CRL-1634 <sup>TM</sup> ) <sup>3</sup>	No viable organisms detected	No viable organisms detected

<sup>1</sup>NR-33509 was produced from a culture of NR-20728 lot 59907708. Genomic DNA was extracted using proprietary technology.

<sup>2</sup>Primer sequences and conditions for PCR are available upon request.

<sup>3</sup>Incubated in DMEM (ATCC<sup>®</sup> 30-2002) with 10% heat-inactivated fetal bovine serum in 95% air, 5% CO<sub>2</sub> for 8 days at 37°C.

**Date:** 20 DEC 2013

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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