

**Toxoplasma gondii, Strain VEG**

**Catalog No. NR-20730**

**Product Description:** *Toxoplasma gondii* (*T. gondii*), strain VEG was isolated from the blood of an AIDS patient with toxoplasmic encephalitis in California in 1989. Strain VEG was deposited as a prototype strain for the type III haplogroup and is a reference strain for the *Toxoplasma gondii* Genome Project at the J. Craig Venter Institute's Genomic Sequencing Center for Infectious Diseases (GSCID).

**Lot<sup>1</sup>: 59962531**

**Manufacturing Date: 26AUG2011**

TEST	SPECIFICATIONS	RESULTS
<b>Genotyping</b> Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 470 bp)	Consistent with <i>T. gondii</i> , haplotype III	Consistent with <i>T. gondii</i> , haplotype III <sup>2</sup> (Figure 1)
<b>Functional Activity by PCR Amplification<sup>3</sup></b> UPRT intron 1	~ 560 bp amplicon	~ 560 bp amplicon
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	1.9 x 10 <sup>7</sup> cells/mL
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>5</sup> , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Brain heart infusion, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic	No growth No growth No growth No growth No growth No growth No growth	No growth No growth No growth No growth No growth No growth No growth
<b>Mycoplasma Contamination</b> DNA Detection by PCR	None detected	None detected

<sup>1</sup>NR-20730 was produced by cultivation of the deposited material in human foreskin fibroblast cells (ATCC<sup>®</sup> CRL-1634<sup>™</sup>) with cell cultivation medium for parasites (ATCC medium 2222: adjusted to contain 10% heat-inactivated fetal bovine serum). The culture was propagated in 95% air, 5% CO<sub>2</sub> for 7 days at 37°C, until lysis of the host cell monolayer was reached.

<sup>2</sup>Haplotype identification is based on a sequence alignment of NR-20730, lot 59962531, to a reference sequence provided by the depositor. See figure 1 for NR-20730 sequence.

<sup>3</sup>Primer sequences and conditions for PCR are available upon request.

<sup>4</sup>Viable cells and signs of infection were seen after 15 days under cultivation conditions at 37°C.

<sup>5</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

**Figure 1: *Toxoplasma gondii*, Strain VEG - UPRT Intron 1 Sequence**

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CTGATAAAGT CATGACACGC AAGGGGAACG TTCACAATGA ACTTTTCCGA AAACGCAACG AGTGAGACAT
GGAGCCTGGC AGAAATCCAC CTTGCAAGAC ACTTCGTAGC TGTGAATACA AATGAGTAAC GCGGGGGGAG
TCCCTGAAAAG GAAGCACGTA AAGTACACGA CTGAGAGTTC GAGAAATCGT TTGCAGCGTC GTTCTTCGCG
AGGGTTACAG CACCGATTTC AAGAAAAAAG CAATCTGCAA ACGACCGCCA CAACCGGCAT ACAGGCCGAG
AACTTTCATG CCGTCCAAC TACGCCTGTT TCCCTCTCCT TAAAAATATAC GGGGATGCGG CAGGAAGGAA
AACGAGGACG AGCATTAAA CAGCAAGCGG AGGAAAGGGG GCCGCAGGAC GGAAGGCCA CGCAGTATAA
CCAACAGGCA GAGTCACGGA AAGCAAACCT CGGTTGAAGG ATTAC
    
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**Date:** 14 SEP 2015

**Signature:**   
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