

Toxoplasma gondii, Strain GT1

Catalog No. NR-20728

Product Description: *Toxoplasma gondii* (*T. gondii*), strain GT1 was isolated from a goat with toxoplasmosis in Magnetic Springs, Ohio in 1979. Strain GT1 was deposited as a prototype type I strain 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).

Lot¹: 59907708

Manufacturing Date: 11APR2011

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 470 bp)	Consistent with <i>T. gondii</i> , haplotype I	Consistent with <i>T. gondii</i> , haplotype I (Figure 1)
Functional Activity by PCR Amplification² UPRT intron 1	~ 560 bp amplicon	~ 560 bp amplicon
Viable Cell Count by Hemacytometry (pre-freeze)	> 10 ⁶ cells/mL	3.5 x 10 ⁷ cells/mL
Viability (post-freeze)³	Growth	Growth
Sterility (21-day incubation) Harpo's HTYE broth ⁴ , 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
Mycoplasma Contamination DNA Detection by PCR	None detected	None detected

¹NR-20728 was produced by cultivation of the deposited material in human foreskin fibroblast cells (ATCC® CRL-1634™) 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% CO₂ for 3 days at 37°C, until lysis of the host cell monolayer was reached.

²Primer sequences and conditions for PCR are available upon request.

³Viable cells and signs of infection were seen after 11 days under cultivation conditions at 37°C.

⁴Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Figure 1: *Toxoplasma gondii*, Strain GT1 - UPRT Intron 1 Sequence

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GTAATCCTTC AACCGAAGTT TGCTTTCCGT GACTCTGCCT GTTGGTTATA CTGCGTGGCC TTCCCGTCCT GCGGCCCCCT TTCCTCCGCT TGCTGTTTAA
ATGCTCGTCC TCGTTTTCTC TCCTGCCGCA TCCCGGTATA TTTTAAGGAG AGGGAAACAG GCGTGAGTTG GACGGAATGA AAGTTCTCGG CCTGTACGCC
GGTTGTCGCG GTCGTTTGA GATTGCTTTT TTCTTCGAAT CGGTGCTGTA ACCCTCGCGA AGAACGACGC TGCAAACGAC TTCTCGAACT CTCAGTCGTG
TACTTTACGT GCTTCCTTC AGGGACCTCC CCCTGCGTTA CTCATTGTA TTCACAGCTA CGAAGTGTCT TGCAAGGTGG ATTCTGCCA GGCTCCATGT
CTCACTCGGT GCGTTTTCTG AAAAGTTCAT TGTGAACGTT CCCCTGCGT GTCATGACTT TATCAG
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Date: 01 SEP 2015

Signature:

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