

**Toxoplasma gondii, Strain GAB2-2007-GAL-DOM2**

**Catalog No. NR-31079**

**Product Description:** *Toxoplasma gondii* (*T. gondii*), strain GAB2-2007-GAL-DOM2 was isolated from a chicken in Makokou, Gabon, Africa, in 2007. Strain GAB2-2007-GAL-DOM2 was deposited as a prototype strain for the type 14 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>: 60773781**

**Manufacturing Date: 02MAR2012**

TEST	SPECIFICATIONS	RESULTS
<b>Genotyping</b> Sequencing of uracil phosphoribosyltransferase (UPRT) intron 1 (~ 470 bp)	Consistent with <i>T. gondii</i> , haplotype 14	Consistent with <i>T. gondii</i> , haplotype 14 <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	9.4 x 10 <sup>6</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-31079 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<sup>®</sup> medium 2222; adjusted to contain 10% heat-inactivated fetal bovine serum). The culture was propagated in 95% air, 5% CO<sub>2</sub> for 9 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-31079, lot 60773781, to a reference sequence provided by the depositor. See figure 1 for NR-31079 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 8 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 GAB2-2007-GAL-DOM2 - UPRT Intron 1 Sequence**

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GTAATCCTTC AACCGAAGTT TGCTTTCGGT GACTCTGCCCT GTTGGTTATA CTGCGTGGCC TTCCCGTCCT GCGGCCCCCT
TTCTCCGCT TGCTGTTTAA ATGCTCGTCC TCGTTTTCCCT TCCTGCCGCA TCCCCGTATA TTTTAAGGAG AGGGAAACAG
GCGTGAGTTG GACGGAATGA AAGTTCCTCGG CCTGTACGCC GGTGTGTCGCG GTCGTTTGCA GATTGCTTTT TTCTTCGAAT
CGGTGCTGTA ACCCTCGCGA AGAACGACGC TGCAAACGAC TTCTCGAACT CTCAGTCGTG TACTTTACGT GCTTCCTTTC
AGGGACCTCC CCCCGCGTTA CTCATTTGTA TTCACAGCTA CGAAGTGTCT TGCAAGGTGG ATTTCGTGACA GGCTCCATGT
CTCACTCGGT GCATTTTCGG AAAAGTTCAT TGTGAACGTT GCCCTTGCCT GTCATGACTT TATCAG
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**Date:** 29 AUG 2012

**Signature:** 

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

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