

Toxoplasma gondii, Strain FOU, Genome Sequenced Strain
Catalog No. NR-20733

Product Description: *Toxoplasma gondii* (*T. gondii*), strain FOU was isolated by M. L. Dardé from the bone marrow and myocardium of a human kidney transplant patient with fatal toxoplasmosis in Brest, France, 1992. Strain FOU was deposited to BEI Resources as a prototype type VIa strain and was sequenced as part of the *Toxoplasma gondii* Genome Project at the J. Craig Venter Institute's Genomic Sequencing Center for Infectious Diseases (GSCID).

Lot¹: 59962533
Manufacturing Date: 16NOV2012

TEST	SPECIFICATIONS	RESULTS
Genotyping Sequencing of uracilphosphoribosyltransferase (UPRT) intron 1 (~ 400 bp)	Consistent with <i>T. gondii</i> , haplotype VIa	Consistent with <i>T. gondii</i> , haplotype VIa (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	2.8 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-20733 was produced by cultivation of the ATCC[®] 50869[™] (Lot 2353435) 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 17 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: *T. gondii*, Strain FOU - UPRT Intron 1 Sequence

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CATTGGGAAA  CCTGATAAAG  TCATGACACG  CAAGGGCAAC  GTTCACAATG  AACTTTTCCG  AAAATGCACC  GAGTGAGACA  TGGAGCCTGT
CACGAATCCA  CCTGCAAGA  CACTTCGTAG  CTGTGAATAC  AAATGAGTAA  CGCGGGGGGA  GGTCCCTGAA  AGGAAGCAGC  TAAAGTACAC
GACTGAGAGT  TCGAGAAGTC  GTTTCAGCG  TCGTTCTTCG  CGAGGGTTAC  AGCACCAGAT  CGAAGAAAAA  AGCAATCTGC  AAACGACCGC
GACAACCGGC  GTACAGGCCG  AGAACTTTCA  TTCCGTCCAA  CTCACGCCTG  TTTCCCTCTC  CTTAAATAT  ACGGGGATGC  GGCAGGAAGG
AAAACGAGGA  CGAGCATTTA  AACAGCAAGC  GGAGGAAAGG  GGGCCGCAGG  ACGGGAAGGC  CACGCAGTAT  AACCAACAGG  CAGAGTCACG
GAAAGCAAAC  TTCGGTTGAA  GGATTACCTC  G

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Date: 14 SEP 2015
Signature: 
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