

***Toxoplasma gondii*, GT1-FUDR3.3**

Catalog No. NR-10272

Product Description: *Toxoplasma gondii* (*T. gondii*), GT1-FUDR3.3 is a virulent Type I parental strain that was used in a genetic cross with the nonvirulent genotype Type III parental strain CTG.11 ARA-SNF (also referred to as CTG.11 ARA-SYN, CTG.11 ARA-A^R/SNF^R and CEP.11 ARA-A^R/SNF^R).

Lot¹: 58792126

Manufacturing Date: 09SEP2009

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Genotyping^{2,3} AK16 locus (<i>Hinf</i> I digestion) L358 locus (<i>Hae</i> III digestion) | Consistent with parental Type I strain Consistent with parental Type I strain | Consistent with parental Type I strain Consistent with parental Type I strain |
| Drug susceptibility⁴ Sinefungin (SNF) Adenine arabinose (Ara-A) | Sensitive Sensitive | Sensitive Sensitive |
| Viable Cell Count by Hemacytometry (pre-freeze) | > 10 ⁶ cells/mL | 1.1 x 10 ⁷ cells/mL |
| Viability (post-freeze)⁵ | Growth | Growth |
| Sterility (21-day incubation) Harpo's HTYE broth ⁶ , 37°C and 26°C, aerobic Trypticase soy broth, 37°C and 26°C, aerobic Sabouraud broth, 37°C and 26°C, aerobic Sheep blood agar, 37°C, aerobic Sheep blood agar, 37°C, anaerobic Thioglycollate broth, 37°C, anaerobic DMEM with 10% FBS, 37°C and 5% CO ₂ | 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-10272 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.

²PCR amplification was performed separately for the two loci AK16 and L358. Where appropriate, samples were subjected to restriction enzyme digestion typing by agarose gel electrophoresis.

³Primer sequences, annealing temperatures, and conditions for restriction enzyme digestion may be obtained at the *Toxoplasma* Genome Map website ([Toxoplasma Genome Map](#)).

⁴Sinefungin was used at a concentration of 2.7 x 10⁻⁷ M and ara-A was used at a concentration of 1.3 x 10⁻⁴ M, as described (Sibley, L. D., et al. "Generation of a Restriction Fragment Length Polymorphism Linkage Map for *Toxoplasma gondii*." *Genetics* 132 (1992): 1003-1015. PubMed: 1360931).

⁵Viable cells and signs of infection were seen after 6 days under cultivation conditions at 37°C.

⁶Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 18 MAR 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

