

## *Toxoplasma gondii*, Clone CL13

Catalog No. NR-10157

**Product Description:** *Toxoplasma gondii*, clone CL13 is a recombinant F1 clone from progeny of two parallel genetic crosses between a Type II parental strain [ME49 (B7 clone)] and a Type III parental strain (CTG ARA-SYN).

Lot<sup>1</sup>: 58242546

Manufacturing Date: 03JUL2008

TEST	SPECIFICATIONS	RESULTS
<b>Genotyping<sup>2</sup></b> 850 locus ( <i>Sfa</i> NI digestion) <sup>3</sup> SAG1 locus <sup>4</sup>	Consistent with parental Type II strain Consistent with parental Type II strain	Consistent with parental Type II strain Consistent with parental Type II strain
<b>Drug susceptibility<sup>5</sup></b> Sinefungin Ara-A	Resistant Susceptible	Resistant Susceptible
<b>Viable Cell Count by Hemacytometry (pre-freeze)</b>	> 10 <sup>6</sup> cells/mL	2.8 x 10 <sup>7</sup> cells/mL
<b>Viability (post-freeze)<sup>6</sup></b>	Growth	Growth
<b>Sterility (21-day incubation)</b> Harpo's HTYE broth <sup>7</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-10157 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 14 days at 37°C, until lysis of the host cell monolayer was reached.

<sup>2</sup>PCR amplification was performed separately for the two loci 850 and SAG1. Where appropriate samples were subjected to restriction enzyme digestion typing by agarose gel electrophoresis.

<sup>3</sup>Primer sequences, annealing temperatures, and conditions for restriction enzyme digestion may be obtained at the *Toxoplasma* Genome Map website ([http://toxomap.wustl.edu/Toxo\\_Genetic\\_Map\\_Table.html](http://toxomap.wustl.edu/Toxo_Genetic_Map_Table.html)).

<sup>4</sup>Primer sequences and conditions for PCR are available upon request.

<sup>5</sup>Sinefungin was used at a concentration of 2.7 x 10<sup>-7</sup> M and ara-A was used at a concentration of 1.3 x 10<sup>-4</sup> 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.)

<sup>6</sup>Incubated under cultivation conditions for 2-3 weeks at 37°C.

<sup>7</sup>Atlas, Ronald M. *Handbook of Microbiological Media*. 3rd ed. Ed. Lawrence C. Parks. Boca Raton: CRC Press, 2004, p. 798.

Date: 15 OCT 2009

Signature: 

Title: Technical Manager, BEI Authentication or designee

ATCC<sup>®</sup>, 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<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> 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.



**Biodefense and Emerging Infections Research Resources Repository**

P.O. Box 4137

Manassas, VA 20108-4137 USA

[www.beiresources.org](http://www.beiresources.org)

800-359-7370

Fax: 703-365-2898

E-mail: [contact@beiresources.org](mailto:contact@beiresources.org)