

## ***Toxoplasma gondii* SAG1 Primer Set**

### **Catalog No. NR-15426**

This reagent is the tangible property of the U.S. Government.

### **For research use only. Not for human use.**

#### **Contributor:**

BEI Resources

#### **Manufacturer:**

Integrated DNA Technologies, Inc.

#### **Product Description:**

NR-15426 contains forward and reverse primers that specifically amplify the SAG1 gene of *Toxoplasma gondii* from Type I, II and III strains.

#### **Material Provided:**

Each vial contains approximately 80 µL of a mixture of forward and reverse primers in TE buffer (10 mM Tris-HCl and 1 mM EDTA, pH ~ 7.0). The concentration is shown on the Certificate of Analysis.

#### **Packaging/Storage:**

Primers were packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder upon arrival. Freeze-thaw cycles should be minimized.

#### **Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Toxoplasma gondii* SAG1 Primer Set, NR-15426."

#### **Biosafety Level: 1**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#), 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

#### **Disclaimers:**

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**APPENDIX I**

***T. gondii* SAG1 Primer Set**

**Recommended Reagents/Equipment**

Reagent	Source	Catalog #
<i>T. gondii</i> SAG1 Primers	BEI Resources	NR -15426
Positive Control Template, Genomic DNA from <i>T. gondii</i> , Strain ME49 (B7 clone)	BEI Resources	NR-15430
Platinum® PCR SuperMix High Fidelity	Invitrogen™/Life Technologies™	12532-016

**Reaction Mix<sup>1</sup>**

Reagent	Stock Concentration	Volume per Reaction (µL)
Platinum® PCR SuperMix	---	45
Primers <sup>2</sup>	5 µM (each primer)	2
Template DNA	10 ng per µL	3
		Total – 50 µL

<sup>1</sup>Reaction mix should be kept on bench-top cooler until ready for use.

<sup>2</sup>Primers are supplied at working stock concentrations.

**Cycling Protocol**

Cycle	# of Repeats	Step	Conditions
1	1	1	94°C for 3 minutes
2	30	1	94°C for 30 seconds
		2	63.5°C for 30 seconds
		3	72°C for 30 seconds
3	1	1	72°C for 10 minutes
4	Indefinite	1	Hold