Genomic DNA from *Toxoplasma gondii*, Strain VEG

Catalog No. NR-33510

For research use only. Not for human use.

Contributor:
Centers for Disease Control and Prevention, Atlanta, Georgia

Manufacturer:
BEI Resources

Product Description:
Genomic DNA was isolated from *Toxoplasma gondii* (*T. gondii*), strain VEG, which was originally isolated from the blood of an AIDS patient with toxoplasmic encephalitis in California in 1989.[1]

T. gondii is an obligate intracellular protozoan parasite of the phylum Apicomplexa that is the causal agent of toxoplasmosis. *T. gondii* is dominated by three widespread clonal lineages, referred to as type I, II, and III. *T. gondii*, strain VEG is a prototype type III strain 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). The whole genome shotgun assembly of *T. gondii*, strain VEG is available (GenBank: AAYL00000000).

NR-33510 has been qualified for PCR applications by amplification of the UPRT intron 1 genetic locus of *T. gondii*.

Material Provided:
Each vial of NR-33510 contains 1 to 3 µg of genomic DNA in TE Buffer (10 mM Tris-HCl, 0.5 mM EDTA, pH 9). The vial should be centrifuged prior to opening.

Packaging/Storage:
NR-33510 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen 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: Genomic DNA from *Toxoplasma gondii,* Strain VEG, NR-33510."

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.

Disclaimers:
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References:
1. Dubey, J. P. "Mouse Pathogenicity of *Toxoplasma gondii* Isolated from a Goat." Am. J. Vet. Res. (1980): 427-429. PubMed: 7369619.
2. Howe, D. K. and L. D. Sibley. "*Toxoplasma gondii* Comprises Three Clonal Lineages: Correlation of Parasite Genotype with Human Disease." J. Infect. Dis. 172 (1995): 1561-1566. PubMed: 7594717.
3. Khan, A., et al. "Recent Transcontinental Sweep of *Toxoplasma gondii* Driven by a Single Monomorphic Chromosome." Proc. Natl. Acad. Sci. USA 104 (2007): 14872-14877. PubMed: 17804804.
4. Sibley, L. D., et al. "Generation of a Restriction Fragment Length Polymorphism Linkage Map for *Toxoplasma gondii*." Genetics 132 (1992): 1003-1015. PubMed: 1360931.

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