

**Genomic DNA from *Trypanosoma cruzi*, Strain TcVT-1 (axenic epimastigote)**

**Catalog No. NR-51625**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Genomic DNA was extracted from *Trypanosoma cruzi* (*T. cruzi*), strain TcVT-1 (epimastigote stage), which was isolated from the blood of a five-year-old female English Cocker Spaniel with Chagas' disease in October 2012 in Lynchburg, Virginia, USA.<sup>1,2</sup>

NR-51625 has been qualified for PCR applications by amplification of approximately 800 base pairs of the putative C-5 sterol desaturase gene (*TcSC5D*).

**Material Provided:**

Each vial of NR-51625 contains 0.2 µg to 3.5 µg of genomic DNA in 10 mM Tris HCl, 1 mM EDTA, pH 7.5. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-51625 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -20°C or colder immediately 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 *Trypanosoma cruzi*, Strain TcVT-1 (axenic epimastigote), NR-51625."

**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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

- Lindsay, D. S., Personal Communication.
- Patel, J. M., et al. "Isolation, Mouse Pathogenicity, and Genotyping of *Trypanosoma cruzi* from an English Cocker Spaniel from Virginia, USA." *Vet. Parasitol.* 187 (2012): 394-398. PubMed: 22341614.

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