Genomic DNA from *Glossina pallidipes*

Catalog No. NR-44342

For research use only. Not for human use.

**Contributor and Manufacturer:**
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**Product Description:**
Genomic DNA was obtained from a preparation of *Glossina pallidipes* (*G. pallidipes*: tsetse fly) using a TRIzol® (Life Technologies™) extraction protocol.

The original *G. pallidipes* colony was established from Lugala, Lake Victoria, Uganda in 1975. The colony was transferred to Yale University via the Bristol Laboratory, United Kingdom and Peter Takac, Slovakia. The whole genome shotgun sequence of a representative *G. pallidipes* colony is available (GenBank: JMRQ00000000).

**Protocol:**
The control PCR amplification parameters for *Glossina* spp. internal transcribed spacer 2 (ITS-2) are 1 min at 94°C, 55°C, and 72°C, for 35 cycles in a buffer containing 2.5 mM MgCl₂, 0.25 mM dNTPs, and 500 nM concentration of each primer with Taq polymerase in a DNA thermal cycler. DNA corresponding to the ITS-2 region was amplified using the oligonucleotide primer set ITS-2F/ITS-2R corresponding to the *Anopheles gambiae* mosquito 5.8S and 28S rDNA conserved sequences (GenBank: X67157):

- ITS-2F: 5'-TGTGAACTGCAGACACATGAAC-3'
- ITS-2R: 5'-AATGCTTAAATTTAGGGGTAGTC-3'.

**Material Provided:**
Each vial of NR-44342 contains approximately 2.5 µg of genomic DNA at 50 ng per µL in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 8.0). The vial should be centrifuged prior to opening.

**Packaging/Storage:**
NR-44342 was packaged in 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 *Glossina pallidipes*, NR-44342.”

**Biosafety Level:**
1


**Disclaimers:**
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**References:**
1. Aksoy, S., Personal Communication.

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