

Genomic DNA from Uninfected Adult Female *Aedes aegypti*, Strain Black Eye Liverpool

Catalog No. NR-42503

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Contributor:

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Manufacturer:

Filariasis Research Reagent Resource Center supported by Contract HHSN27220100030I, NIH-NIAID Animal Models of Infectious Disease Program

Product Description:

Genomic DNA was isolated from *Aedes aegypti* (*A. aegypti*), strain Black Eye Liverpool (LVP), uninfected adult female. *A. aegypti* is a vector for three filarial parasites (*Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori*) that result in lymphatic filariasis when they are transferred to a human host during feeding.¹ In the mosquito, the microfilariae (filarial larval stage) shed their sheath, penetrate the midgut wall and migrate to the thoracic muscles, where they molt twice and finally migrate to the mosquito's proboscis, ready to be transmitted.²

Material Provided:

Each vial of NR-42503 contains 0.5 µg to 2.0 µg of RNase A treated genomic DNA in 10 mM Tris-HCl, 0.5 mM EDTA, pH ~ 9. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-42503 was packaged in plastic vials. 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 *Aedes aegypti*, Strain Black Eye Liverpool, Uninfected Adult Female, NR-42503."

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/bmb15/index.htm.

Disclaimers:

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References:

1. Chandy, A., et al. "A Review of Neglected Tropical Diseases: Filariasis." *Asian Pac. J. Trop. Med.* 4 (2011): 581-586. PubMed: 21803313.
2. Knopp, S., et al. "Nematode Infections: Filariasis." *Infect. Dis. Clin. North Am.* 26 (2012): 359-381. PubMed: 22632644.
3. Michalski, M. L., et al. "The NIH-NIAID Filariasis Research Reagent Resource Center." *PLoS Negl. Trop. Dis.* 5 (2011): e1261. PubMed: 22140585.

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