

***Aedes aegypti*, Strain Black Eye Liverpool, Infected with *Brugia malayi* (Frozen)**

Catalog No. NR-48914

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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 Program¹

Product Description:

Classification: Culicidae, *Aedes*

Species: *Aedes aegypti*

Strain: Black Eye Liverpool

Aedes aegypti (*A. aegypti*) is an experimental vector for several filarial parasites, including *Wuchereria bancrofti* and *Brugia species*, that results in lymphatic filariasis when they are transferred to a human host during feeding.¹ It can also serve as the vector for the causative agent of canine heartworm (*Dirofilaria immitis*).

Material Provided:

NR-48914 consists of up to 300 frozen *A. aegypti*, infected with *Brugia malayi*. If more material is required for your intended use, please contact BEI Customer Services at contact@beiresources.org to request the additional material.

Packaging/Storage:

NR-48914 is packaged in containers ranging from 2 mL microtubes to 50 mL conical vials, dependent on the number of mosquitoes requested. Mosquitos will be flash frozen with liquid nitrogen or an ethanol/dry ice mixture and shipped in insulated boxes with approximately 2.5 kilograms of dry ice. The product should be stored at -20°C to -80°C or colder, depending on desired application.

Citation:

Acknowledgment for publications should read "The following reagent was provided by the NIH/NIAID Filariasis Research Reagent Resource Center for distribution by BEI Resources, NIAID, NIH: *Aedes aegypti*, Strain Black Eye Liverpool, Infected with *Brugia malayi* (Frozen), NR-48914."

Biosafety Level: 2

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.

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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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