

***Aedes aegypti*, Strain Black Eye Liverpool, Eggs**

Catalog No. NR-48921

This reagent is the tangible property of the U.S. Government.

For research use only. Not for human use.

Contributor:

Andrew R. Moorhead, D.V.M., M.S., Ph.D., Director and Principal Investigator, Filariasis Research Reagent Resource Center, Department of Infectious Diseases University of Georgia College of Veterinary Medicine, Athens, Georgia, USA

Manufacturer:

Filariasis Research Reagent Resource Center supported by Contract HHSN272201000030I, 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 a vector for three filarial parasites (*Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori*) that results 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:

NR-48921 consists of up to 4000 eggs collected from *A. aegypti*. 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-48921 is packaged in an insulated box inside a fiberboard box. This shipment is in accordance with the Arthropod Containment Guidelines Version 3.1 (The American Committee of Medical Entomology of the American Society of Tropical Medicine and Hygiene).

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, Eggs, NR-48921."

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:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC[®] nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC[®] nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC[®] and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC[®], their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

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.

ATCC[®] is a trademark of the American Type Culture Collection.

