Adult Female *Brugia malayi* (Live)

**Catalog No. NR-48892**

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**For research use only. Not for human use.**

**Contributor:**
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**Manufacturer:**
Filariasis Research Reagent Resource Center supported by Contract HHSN272201000030I, NIH-NIAID Animal Models of Infectious Disease Program

**Product Description:**

**Classification:** *Onchocercidae, Brugia*

**Species:** *Brugia malayi*

**Strain:** FR3

**Original Source:** *Brugia malayi (B. malayi)*, strain FR3 was originally obtained from researchers in Malaysia by Dr. John Schacher.  

*B. malayi* is a roundworm nematode and one of the three causative agents of lymphatic filariasis in humans. Lymphatic filariasis, also known as elephantiasis, is a condition characterized by swelling of the lower limbs.

*B. malayi* is mosquito-borne filarial worm. Mosquitos deposit infective third stage larvae (L3) on human skin. The larvae then penetrate and migrate to the lymphatic vessels where they develop into adult worms over several months. Development includes molting transitions into fourth stage larvae (L4) and juvenile adults to reach maturity. The mature female worms release large numbers of microfilariae into the host bloodstream. The microfilariae are ingested by a mosquito during a blood meal and penetrate the midgut and develop over a period of 10 to 14 days to L3. L3 are developmentally arrested in the mosquito. The process repeats when the mosquito’s proboscis penetrates human skin.

**Material Provided:**
NR-48892 consists of up to 30 adult female *B. malayi* worms. 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-48892 was packaged in 50 mL conical tubes. The product is provided at room temperature and should be placed in an incubator, used immediately, or frozen and stored at -20°C or colder. **Note:** Freezing will kill the worms, please consider your application prior to freezing this material.

**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: Adult Female *Brugia malayi* (Live), NR-48892."

**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.


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