**Product Information Sheet for NR-48896**

**Brugia pahangi** Microfilariae in Dog Blood, Live

**Catalog No. NR-48896**
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**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 Program

**Product Description:**
**Classification:** Onchocercidae, Brugia  
**Species:** Brugia pahangi  
**Strain:** FR3  
**Original Source:** Brugia pahangi (B. pahangi), strain FR3 was originally obtained from researchers in Malaysia by Dr. John Schacher.1,2

B. pahangi is a thread-like filarial nematode with a life cycle consisting of a mosquito intermediate host and a wide variety of carnivorous definitive hosts including human and felines.1,3 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 maturation. 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 L3.4,5 L3 are developmentally arrested in the mosquito. The process repeats when the mosquito’s proboscis penetrates the definitive host’s skin.4

**Material Provided:**
NR-48896 consists of up to 20 mL of microfilaremic dog blood. 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-48896 was packaged in 50 mL conical tubes. The product is provided at room temperature and can be stored at room temperature for up to 3 days. After 3 days the material should be frozen and stored at -20°C or colder.

**Note:** Freezing will kill the microfilariae, 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: *Brugia pahangi* Microfilariae in Dog Blood, Live, NR-48896.”

**Biosafety Level:** 2

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**References:**


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