

Adult *Phlebotomus arabicus*, Strain Israel

Catalog No. NR-50318

For research use only. Not for human use.

Contributor and Manufacturer:

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Product Description:

Classification: *Psychodidae, Phlebotominae, Phlebotomus*

Species: *Phlebotomus arabicus* (common name: sand fly)

Strain: Israel

Original Source: *Phlebotomus arabicus* (*P. arabicus*), strain Israel, was collected by P. Volf in North Sinai in 2001.¹

Transmission Competent Pathogens: *Leishmania tropica*

Material Provided:

NR-50318 consists of adult *P. arabicus* (sand flies).

Packaging/Storage:

This material is prepared by Walter Reed Army Institute of Research, Maryland, USA. **Adult sand flies CANNOT be shipped and must be picked up onsite at Walter Reed Army Institute of Research (WRAIR), Silver Spring, MD, USA. Please contact BEI Resources for details.**

Growth Conditions:

Rabbit feces and rabbit chow mixture (larvae)

Temperature: 25-26°C

Atmosphere: 80% relative humidity^{1,2}

Infectivity/Method for Experimental Use: Oral membrane feed or infected animal feed^{1,3}

Citation:

Acknowledgment for publications should read "The following reagent was provided by Walter Reed Army Institute of Research for distribution by BEI Resources, NIAID, NIH: Adult *Phlebotomus arabicus*, Strain Israel, NR-50318."

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/bmbl5/index.htm.

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References:

1. Rowland, T. E., Personal Communication.
2. Modi, G. B. and E. D. Rowton. "Laboratory Maintenance of Phlebotomine Sand Flies." Maintenance of Human, Animal, and Plant Pathogen Vectors. Eds. K. Maramorosch and F. Mahmood. Science Pub Inc., Enfield, New Hampshire, USA, 1999. 109-121.
3. Rowton, E. D., K. M. Dorsey and K. L. Armstrong. "Comparison of *In Vitro* (Chicken-Skin Membrane) Versus *In Vivo* (Live Hamster) Blood-Feeding Methods for Maintenance of Colonized *Phlebotomus papatasi* (Diptera: Psychodidae)." J. Med. Entomol. 45 (2008): 9-13. PubMed: 18283936.

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