

Culex tarsalis* YOLO*Catalog No. NR-43026****For research use only. Not for human use.****Contributor:**

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Manufacturer:

Centers for Disease Control and Prevention

Product Description:

Classification: Diptera: Culicidae

Species: *Culex tarsalis*

Subspecies/strain: Yolo County

Common name: western encephalitis mosquito

Original Source: Dry ice bait trap, Fazio Wild Life Refuge, Yolo County CA, 2003

Pathogens for which vector is transmission competent:
WEEV, SLEV, WNV, RVFV, CEV, avian *Plasmodium* spp.

Material Provided:

Room temperature live egg rafts on damp filter paper.

Packaging/Storage:

This material is prepared and shipped from CDC, Atlanta, GA USA.

Growth/Rearing Conditions:

1.5 ft³ cage for adults offered 10% sucrose constantly. 22-24°C, 50-70% humidity, 14:10 Light:Dark with 1.5 simulated dusk and dawn to enhance mating. Larvae reared in aerated trays and fed a mixture of rabbit pellets: fish food. Adult blood feeding on live birds, mice or heparinized blood in Hemotek feeder.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Culex tarsalis* YOLO, NR-43026."

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:

Goddard LB, Roth AE, Reisen WK, Scott TW.. Vertical transmission of West Nile Virus by three California *Culex* (Diptera: Culicidae) species. *Med Entomol.* 2003 Nov; 40(6):743-6.

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