**Simulium vittatum**, Cytospecies IS-7, Preserved Larvae

**Catalog No. NR-53895**

For research use only. Not for use in humans.

**Contributor and Manufacturer:**
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**Product Description:**
Species: Simuliidae, Simulium
Cytospecies: IS-7
Original Source: Simulium vittatum (S. vittatum), cytospecies IS-7 was collected from Flaxmill Brook in Cambridge, New York by C. A. Tarrant in September of 1981.
Comments: This species is a competent vector (biological and mechanical) of vesicular stomatitis New Jersey virus (VSNJV). S. vittatum complex is distributed across North America. This species complex consists of two species: S. tribulatum (also known as cytospecies III-L-1), found throughout the continent, and S. vittatum sensu stricto (also known as cytospecies IS-7), found primarily in the northern and western United States and Canada. S. vittatum is the vector for VSNJV, the causative agent of vesicular stomatitis in ungulates such as cows, horses and swine. Vesicular stomatitis is characterized by fever and vesicles in the oral cavity and on the muzzle, snout, lips and coronary bands of feet, teats and prepuce. S. vittatum also transmits the parasitic nematode Onchocerca under laboratory conditions.

**Material Provided:**
Each vial of NR-53895 contains approximately 250 preserved larvae in 80% ethanol. Note: Preserved S. vittatum can also be obtained in egg (NR-53894), pupal (NR-53896) or adult stages (NR-53897).

**Packaging/Storage:**
NR-53895 is prepared and shipped by the University of Georgia Black Fly Research and Resource Center. Upon arrival, the larvae should be stored at 20°C to 22°C in the dark.

**Citation:**
Acknowledgment for publications should read “The Simulium vittatum cytospecies used in this work were produced with the support of NIH Task Order C-08, Contract No. HHSN272201700035I, Task Order No. 75N93020F00002 and obtained through BEI Resources, NIAID, NIH: Simulium vittatum, Cytospecies IS-7, Preserved Larvae, NR-53895.”

**Biosafety Level:**

**Disclaimers:**
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**References:**


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