Total Nucleic Acids from Adult Female Simulium vittatum, Cytospecies IS-7

Catalog No. NR-53898
Lot: 70040636

For research use only. Not for use in humans.

Contributor and Manufacturer:
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Product Description:
NR-53898 is a preparation of total nucleic acids extracted from uninfected, adult female Simulium vittatum (S. vittatum), cytospecies IS-7. S. vittatum, cytospecies IS-7 was collected from Flaxmill Brook in Cambridge, New York by C. A. Tarrant in September of 1981. This species is a competent vector (biological and mechanical) of vesicular stomatitis New Jersey virus (VSNJV).2

S. vittatum (common name: black fly) are scattered across North America and the Atlantic islands, including Newfoundland and Prince Edward Island. The species vittatum is divided into two cytospecies, IIIL-1, found primarily in the southern United States, and IS-7 (also known as S. vittatum sensu stricto), found primarily in the northern United States and Canada.3,4 S. vittatum is the vector for the transmission of VSNJV, the causative agent of vesicular stomatitis in ungulate species such as cows, horses and swine. Vesicular stomatitis is characterized by fever and vesicles in the oral cavity and on the muzzle, snout, lips, coronary bands of feet, teats and prepuce.5 S. vittatum has also been shown to transmit the parasitic nematode species Onchocerca under laboratory conditions.5

Material Provided:
Each vial of NR-53898 contains approximately 60 µL of total nucleic acids in 10 mM Tris-HCl, 0.5 mM EDTA, pH 9.0. Concentration should be determined prior to beginning work.

Note: The vial label should state that NR-53898 contains total nucleic acids.

Packaging/Storage:
NR-53898 was packaged aseptically in screw-capped plastic vials. The product is provided frozen and should be stored at -20°C or colder upon arrival. Freeze-thaw cycles should be minimized.

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. HHSN2722017000351, Task Order No. 75N93020F00002 and obtained through BEI Resources, NIAID, NIH: Total Nucleic Acids from Adult Female Simulium vittatum, Cytospecies IS-7, NR-53898.”

Biosafety Level: 1

Disclaimers:
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References:

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