

Filaria *Detect*TM IgG4 ELISA-RUO

InBios

*Innovative Diagnostics
for Infectious Diseases*



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Manufactured in the USA



13485-2003 Certified

Lymphatic Filariasis is a parasitic disease caused by microscopic, thread-like worms. Lymphatic filariasis affects over 120 million people in 73 countries throughout the tropics and subtropics of Asia, Africa, the Western Pacific and parts of the Caribbean and South America.



The Global Program to Eliminate Lymphatic Filariasis (GPELF) begun in response to a World Health Assembly Resolution to eliminate filarial disease caused by *Wuchereria bancrofti*, *Brugia malayi* and *Brugia timori*. While the detection of specific filarial antigen was a priority for measuring infection, now it has become important to use a robust and specific antibody assay as a surveillance tool for measuring interruption of the transmission of infection. The success of this mass drug administration (MDA)-based program is dependent on the availability of such a tool.

InBios has developed a specific serological assay that will likely satisfy this specific need for surveillance. The assay is based on the detection of specific IgG4 antibody against a proprietary *Wuchereria bancrofti* (Wb) infective stage larval (L3) antigen Wb123.

References:

1. http://www.cdc.gov/parasites/lymphaticfilariasis/gen_info/
2. WHO (2011) Global Programme to Eliminate Lymphatic Filariasis: progress report on mass drug administration, 2010. Weekly epidemiological record 86: 377–388. Chu BK, Hooper PJ, Bradley MH, McFarland DA, Ottesen EA (2010)
3. Steel C, Kubofcik J, Ottesen EA, Nutman TB (2012) Antibody to the Filarial Antigen Wb123 Reflects Reduced Transmission and Decreased Exposure in Children Born following Single Mass Drug Administration (MDA) Antibody to the Filarial Antigen Wb123 Reflects Reduced Transmission and Decreased Exposure in Children Born following Single Mass Drug Administration (MDA). PLoS Negl Trop Dis 6(12): e1940. doi: 10.1371/journal.pntd.0001940

The Filaria *Detect*TM IgG4 ELISA is being developed as a highly specific and sensitive diagnostic test for qualitative detection of specific IgG4 Antibodies against WB123 antigen. *For Research Use Only—Not for diagnostic use.*

Catalog No.	Specimen	Result Time	Storage	Shelf Life
FILA-1	Serum	2 x 30 min. incubation + short substrate incubation	2-8°C	12 months