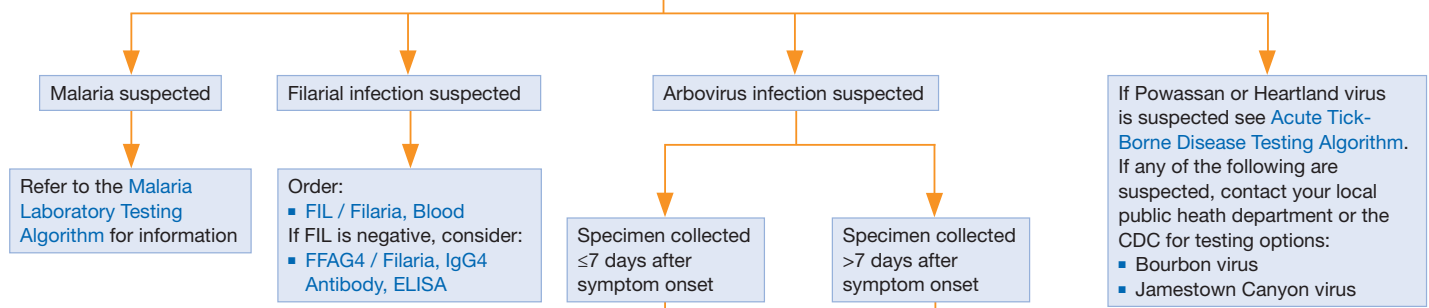


Clinical suspicion of a mosquito-borne disease (MBD) based on the following:

- Symptoms including, but not limited to:
 - Fever
 - Headache
 - Meningitis
 - Encephalitis
 - Meningoencephalitis
- Time of year (eg, during active mosquito seasons)
- Exposure history (refer to the following for potential exposure guidance):
 - <https://www.cdc.gov/mosquitoes/php/arbovet/>
 - <https://wwwnc.cdc.gov/travel/destinations/list>

Testing should be tailored based on clinical presentation, exposure history, and known endemic mosquito-borne pathogens



- Real-time reverse transcription polymerase chain reaction (PCR) and serologic testing are recommended
- Serologic testing of spinal fluid (CSF) should be performed concurrently with or following serologic testing of serum

If mosquito exposure occurred **within** the United States (US), consider the following tests:

- ARBOP / Arbovirus Antibody Panel, IgG and IgM, Serum
- ABOPC / Arbovirus Antibody Panel, IgG and IgM, Spinal Fluid
- CAVPC / California Virus (La Crosse) Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
- CAVP / California Virus (La Crosse) IgG and IgM, Serum
- EEPC / Eastern Equine Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
- EEEP / Eastern Equine Encephalitis Antibody, IgG and IgM, Serum
- STLPC / St. Louis Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
- STLP / St. Louis Encephalitis Antibody, IgG and IgM, Serum
- WEEPC / Western Equine Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
- WEEP / Western Equine Encephalitis Antibody, IgG and IgM, Serum

If mosquito exposure occurred **outside** of the US, consider the following tests:

- CHIKV / Chikungunya IgM and IgG Antibody, Serum
- CHIKS / Chikungunya Virus, PCR, Molecular Detection, Serum
- CHIKC / Chikungunya Virus, PCR, Molecular Detection, Spinal Fluid
- DENGM / Dengue Virus Antibody, IgG and IgM, Serum
- DENVP / Dengue Virus Antibody/Antigen Panel, Serum
- DNSAG / Dengue Virus NS1 Antigen, Serum
- DENG S / Dengue Virus, Molecular Detection, PCR, Serum
- DENG C / Dengue Virus, Molecular Detection, PCR, Spinal Fluid
- VZIKM / Zika Virus, IgM Antibody Capture ELISA, Serum
- VZIKU / Zika Virus, PCR, Molecular Detection, Random, Urine
- VZIKS / Zika Virus, PCR, Molecular Detection, Serum

If mosquito exposure occurred in **any** region, consider the following tests:

- WNS / West Nile Virus Antibody, IgG and IgM, Serum
- WNC / West Nile Virus Antibody, IgG and IgM, Spinal Fluid
- WNVBL / West Nile Virus, RNA, PCR, Molecular Detection, Blood
- WNVUR / West Nile Virus, RNA, PCR, Molecular Detection, Random, Urine
- WNVS / West Nile Virus, RNA, PCR, Molecular Detection, Serum
- WNC SF / West Nile Virus, RNA, PCR, Molecular Detection, Spinal Fluid

- Serologic testing is recommended If mosquito exposure occurred **within** the United States (US), consider the following tests:
 - ARBOP / Arbovirus Antibody Panel, IgG and IgM, Serum
 - ABOPC / Arbovirus Antibody Panel, IgG and IgM, Spinal Fluid
 - CAVPC / California Virus (La Crosse) Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
 - CAVP / California Virus (La Crosse) IgG and IgM, Serum
 - EEPC / Eastern Equine Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
 - EEEP / Eastern Equine Encephalitis Antibody, IgG and IgM, Serum
 - STLPC / St. Louis Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
 - STLP / St. Louis Encephalitis Antibody, IgG and IgM, Serum
 - WEEPC / Western Equine Encephalitis Antibody Panel, IgG and IgM, Spinal Fluid
 - WEEP / Western Equine Encephalitis Antibody, IgG and IgM, Serum

If mosquito exposure occurred **outside** of the US, consider the following tests:

- CHIKV / Chikungunya IgM and IgG Antibody, Serum
- DENGM / Dengue Virus Antibody, IgG and IgM, Serum
- DENVP / Dengue Virus Antibody/Antigen Panel, Serum
- DNSAG / Dengue Virus NS1 Antigen, Serum
- VZIKM / Zika Virus, IgM Antibody Capture ELISA, Serum

If mosquito exposure occurred in **any** region, consider the following tests:

- WNS / West Nile Virus Antibody, IgG and IgM, Serum
- WNC / West Nile Virus Antibody, IgG and IgM, Spinal Fluid