

BORRELIA MIYAMOTOI INFECTION**NON-IMMEDIATE NOTIFICATION****EPIDEMIOLOGY PROGRAM**

Event Name:	Borrelia miyamotoi infection	
Event Time Period:	1 YEAR	
Clinical Description:	Any acute onset of fever or chills and one or more of the following symptoms or signs: headache, sweats/chills, myalgia, arthralgia, malaise/fatigue, rash, abdominal cramps, nausea, vomiting, diarrhea, dizziness, confusion/altered mental status, photophobia, leukopenia, thrombocytopenia, or elevated aminotransferase levels.	
CDC Event Classification	NONE	
Massachusetts Event Classification:	<i>Confirmed</i>	Clinically compatible with a specimen collection date within 6 months of symptom onset AND the following laboratory evidence: 1. Detection of <i>Borrelia miyamotoi</i> DNA in a clinical specimen by PCR; OR 2. Evidence of seroconversion between acute and convalescent specimens, <i>including but not limited to</i> fourfold or greater change in serum antibody titer to <i>B. miyamotoi</i> antigen between paired specimens; OR 3. Isolation of <i>Borrelia miyamotoi</i> from a clinical specimen
	<i>Probable</i>	Clinically compatible with a specimen collection date within 6 months of symptom onset AND the following laboratory evidence: 1. Direct observance of spirochetes suggestive of <i>B. miyamotoi</i> on smear 2. Elevated levels of IgG or IgM antibodies to <i>B. miyamotoi</i>
	<i>Suspect</i>	A case with laboratory evidence of past infection but no clinical information available (e.g., a laboratory report).

NOTE: When entering IgeneX laboratory results, please refer to separate document: “Protocol for Entering Tickborne Disease Results from IgeneX”.

Report Type	Test	Source	Result	New event or beyond report period?	Data Entry
Laboratory report	PCR	Clinical specimen	Positive	Yes	New event SUSPECT
				No	Same event
Select (PCR specific for <i>B. miyamotoi</i>):	Borrelia miyamotoi DNA XXX PCR				
Laboratory report (This test is usually from Imugen.)	PCR	Clinical specimen	<i>Borrelia miyamotoi</i>	Yes	New event SUSPECT
				No	Same event
Select (PCR for <i>Borrelia</i> species):	Borrelia sp DNA: PrId: Pt XXX Nom: Probe.Amp.Tar				
Laboratory report	Relapsing Fever PCR	Clinical specimen	Positive	Yes	New event SUSPECT
				No	Same event
Select (<i>Borrelia</i> Genus):	Relapsing Fever <i>Borrelia</i> Genus PCR				
Select (<i>Borrelia</i> Species):	Relapsing Fever <i>Borrelia</i> Species PCR				
Laboratory report	EIA	Serum or Whole Blood	Positive	Yes	New event SUSPECT
				No	Same event
Select (IgM specific):	Borrelia miyamotoi Ab.IgM.EIA				
Select (IgG specific):	Borrelia miyamotoi Ab.IgG.EIA				
Laboratory report	Immunoblot	Serum or Whole Blood	Positive	Yes	New event SUSPECT
				No	Same event
Select (TBRF <i>Borrelia</i> , IgM specific):	TBRF IgM.IB				
Select (TBRF <i>Borrelia</i> , IgG specific):	TBRF IgG.IB				
Select (<i>B. miyamotoi</i> , IgM specific):	Borrelia miyamotoi Ab.IgM.IB				
Select (<i>B. miyamotoi</i> , IgG specific):	Borrelia miyamotoi Ab.IgG.IB				