

Zeus Scientific MTTT algorithm for Lyme disease detection

May 17, 2023—[Zeus Scientific](#) has introduced the Zeus *Borrelia* Modified Two-Tiered Testing (MTTT) algorithm, an FDA-cleared all-ELISA algorithm designed to improve the detection of early Lyme disease by up to 30 percent compared with the standard two-tiered testing algorithm. It replaces a second-tier immunoblot with a second Zeus ELISA methodology to provide additional supportive evidence of infection. The company offers two algorithms: the Zeus *Borrelia* MTTT-1 uses the Zeus ELISA *Borrelia* VlsE1/pepC10 IgG/IgM test system as a first-tier test followed by the Zeus *B. burgdorferi* IgG/IgM test system; Zeus *Borrelia* MTTT-2 uses the Zeus ELISA *Borrelia* VlsE1/pepC10 IgG/IgM test system as a first-tier test followed by the Zeus *B. burgdorferi* IgG test system and ZEUS *B. burgdorferi* IgM test system.