



MTTT Lyme Diagnostics

B. burgdorferi IgG/IgM VlsE-OspC EIA

Gold Standard Diagnostics new diagnostic solution for the Modified Two-Tiered Testing (MTTT) algorithm complements our existing market leading Lyme test portfolio. With this new assay, laboratories can choose which tests and algorithms best meet their needs.

- Superior sensitivity: includes antigens from *B. burgdorferi* strains B31 and 2591
- Optimal specificity: contains VlsE immunogenic lipoprotein
- Convenient: kit includes ready to use controls for ease of use
- Automatable: simple procedure is easy to automate
- FDA cleared

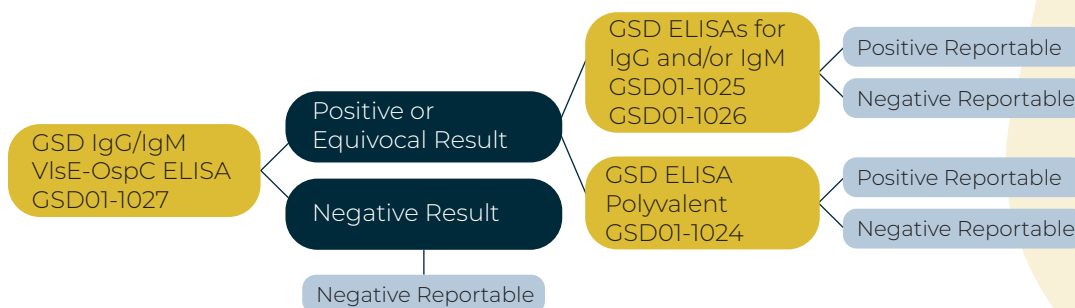
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Modified Two-Tiered Algorithm

In 2014, the CDC published an article¹ describing a new two-tiered testing algorithm based on use of two ELISA tests. This modified algorithm would serve as an alternate to the standard two-tiered ELISA + Immunoblot testing (STTT) algorithm. Following this CDC discussion, the US FDA accepted the proposed testing option and published guidelines² for this modified two-tiered testing (MTTT) algorithm.

Example of the MTTT workflow using GSD EIA:



ORDERING INFORMATION - ELISA & IMMUNOBLOT ASSAYS

Product	Order No.	Format
GSD Borrelia burgdorferi IgG/IgM VlsE -OspC ELISA	GSD01-1027	96 tests
GSD Borrelia burgdorferi IgG/IgM ELISA	GSD01-1024	96 tests
GSD Borrelia burgdorferi IgG ELISA	GSD01-1025	96 tests
GSD Borrelia burgdorferi IgM ELISA	GSD01-1026	96 tests
GSD B. burgdorferi 831 IgG Immunoblot	GSD01-1022	50 tests
GSD B. burgdorferi 831 IgM Immunoblot	GSD01-1023	50 tests

1. Molins CR, *et al.* Collection and characterization of samples for establishment of a serum repository for Lyme disease diagnostic test development and evaluation. J Clin Microbiol. 2014 Oct; 52(10): 3755–3762. doi: 10.1128/JCM.01409-14

2. Mead P, *et al.* Updated CDC Recommendation for Serologic Diagnosis of Lyme Disease. MMWR Morb Mortal Wkly Rep 2019;68:703. doi: <http://dx.doi.org/10.15585/mmwr.mm6832a4>



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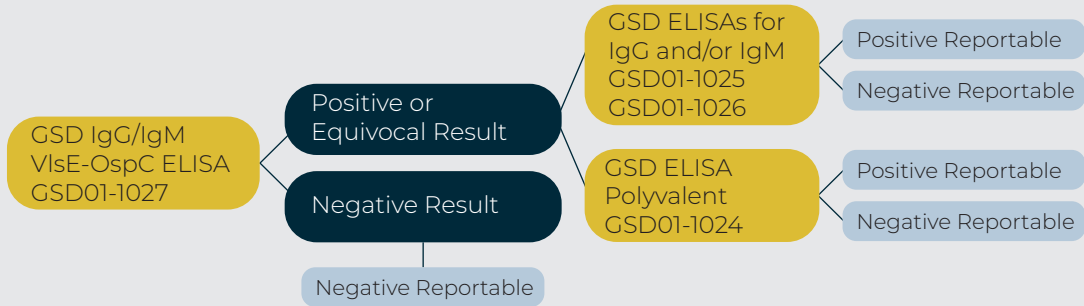
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Modified Two-Tiered Testing Algorithm



(MTTT first and second tiers can be run in reverse)