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REFERRING PHYSICIAN

 RESEARCH

 -

PATIENT NAME

AGE SEX

SAMPLE, REPORT

37Y F

ACCESSION NO.

D.O.B.

COLLECTION DATE

LOG-IN DATE

TEST DATE

REPORT DATE

AAAA13

08/11/1984

11/5/2021

12/21/2021

12/21/2021

12/21/2021

TEST

RESULTS
 NORMAL ABNORMAL

REFERENCE
 RANGE

UNITS

B. BURGDORFERI BY ELISA

TEST	RESULTS	REFERENCE RANGE	UNITS
IgG BORRELIA BURGDORFERI	0.80	<0.8	INDEX
IgM BORRELIA BURGDORFERI	1.10	<0.8	INDEX

RESULTS REPORTED AS 0.8-1.199 INDEX ARE CONSIDERED EQUIVOCAL

Borrelia burgdorferi is a causative agent of Lyme disease and related disorders. The immunoserological assays are essential to help assess early, second, or third stage infection and diagnosis of Lyme disease. During the initial phase of the infection, 50% of patients have detectable IgM antibodies, whereas all patients show detectable levels of IgM or IgG antibodies during the second or third stage symptoms. However, serum from patients with other pathogenic spirochetal infections such as syphilis, yaws, pinta, leptospirosis, and relapsing fever may give false positive results.

POSITIVE RESULTS SHOULD BE CONFIRMED BY WESTERN BLOT ASSAY.

* * * * * LIMITATIONS * * * * *

*Patients often develop early antibodies to the flagellar antigen which can be cross-reactive. Patients in the early stage of disease and a portion of patients with late manifestations may not have detectable antibodies. Early antimicrobial treatment, after appearance of erythema chronicum migrans may lead to diminished antibody concentrations.

*The evaluation of test results must consider the clinical history presented by the patient, the patient's exposure in endemic regions for Lyme disease, epidemiological data, other test results, and any other pertinent clinical data.

*Specimens received as hemolytic, lipemic, bacterially contaminated, or heat inactivated are rejected for analysis.

*These results were obtained with ELISA B. burgdorferi IgG and IgM Test Kits. The magnitude of the measured result, above the cutoff, is not indicative of the total amount of antibody present. The magnitude of the reported IgG level cannot be correlated to an endpoint titer.

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