

Specimen Collected: 19-Dec-23 11:33

| Procedure | Result | Units | Reference Interval |
|---------------------------------------|------------------|-------|--------------------|
| B.burgdorferi IgG Immunoblot | Positive * f1 i1 | | [Negative] |
| B.burgdorferi Antibody IgM Immunoblot | Positive * f2 i2 | | [Negative] |
| Lyme Standard 2-Tier Testing Interp | Positive * f3 i3 | | [Negative] |

| Procedure | Result | Units | Reference Interval |
|---------------------------------------|----------------------|-------|--------------------|
| B.burgdorferi VlsE1/pepC10 Abs, ELISA | 1.36 ^H i4 | IV | [<=0.90] |

Result Footnote

- f1: B. burgdorferi IgG Immunoblot
Band(s) present: 93, 66, 45, 41, 39, 18 kDa
- f2: B. burgdorferi Antibody IgM Immunoblot
Band(s) present: 41, 39, 23 kDa
- f3: Lyme Standard 2-Tier Testing Interp

Both IgM and IgG-class antibodies to the Borrelia species causing Lyme disease were detected, suggesting recent or remote past infection.

If both first tier screen test and second tier tests are equivocal, consider repeat testing in 7-14 days if clinically warranted.

Test Information

- i1: B. burgdorferi IgG Immunoblot
INTERPRETIVE INFORMATION: B. burgdorferi IgG Immunoblot

For this assay, a positive result is reported when any 5 or more of the following 10 bands are present: 18, 23, 28, 30, 39, 41, 45, 58, 66, or 93 kDa. All other banding patterns are reported as negative.

- i2: B. burgdorferi Antibody IgM Immunoblot
INTERPRETIVE INFORMATION: B. burgdorferi Antibody IgM Immunoblot

For this assay, a positive result is reported when any 2 or more of the following bands are present: 23, 39, or 41 kDa. All other banding patterns are reported as negative.

- i3: Lyme Standard 2-Tier Testing Interp
INTERPRETIVE INFORMATION: Lyme Standard 2-Tier, 2nd Tier

IgG: For this assay, a positive result is reported when any 5 or more of the following 10 bands are present: 18, 23, 28, 30, 39, 41, 45, 58, 66, or 93 kDa. All other banding patterns are reported as negative.

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H=High, i=Test Information, L=Low, t=Interpretive Text, @=Performing lab

Unless otherwise indicated, testing performed at:

ARUP Laboratories

500 Chipeta Way, Salt Lake City, UT 84108

Laboratory Director: Jonathan R. Genzen, MD, PhD

ARUP Accession: 23-353-900102

Report Request ID: 18510679

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Test Information

i3: Lyme Standard 2-Tier Testing Interp
 IgM: For this assay, a positive result is reported when any 2 or more of the following bands are present: 23, 39, or 41 kDa. All other banding patterns are reported as negative.

i4: B. burgdorferi VlsE1/pepC10 Abs, ELISA

REFERENCE INTERVAL: B. burgdorferi VlsE1/pepC10 Abs, ELISA

0.90 IV or less.....Negative: VlsE1 and pepC10 antibodies to B. burgdorferi not detected.

0.91 - 1.09 IV.....Equivocal: Repeat testing in 10-14 days may be helpful.

1.10 IV or greater.....Positive: VlsE1 and pepC10 antibodies to B. burgdorferi detected.

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