

Legacy Laboratory Services

Legacy Lab Alert

October 2017

An Important Update from Legacy Laboratory Services

Update: Lyme Antibody Screen IgG/IgM and Lyme Screen IgG/IgM with Reflex to Lyme WB

Effective October 17, 2017, Legacy Laboratory Services will be performing the Lyme Antibody Screen and Lyme Antibody Screen IgG/IgM with Reflex. Ordering information, specimen requirements, stabilities and reporting criteria are outlined in the table below. Please note that room temperature stability is unacceptable and frozen stability has not been established. Specimens exceeding our stability criteria will be referred to ARUP Laboratories until extended stability studies are completed.

Table 1: Specimens Requirements – Significant changes are indicated in red font.

Name	NEW (Starts 10/17/17)	Current (Prior to 10/17/17)
	LYME ANTIBODY SCREEN IGG/IGM	LYME ANTIBODY SCREEN (IgG AND IgM)
	LYME SCREEN IGG/IGM REFLEX TO LYME WB	LYME SCREEN IGG/IGM REFLEX TO LYME WB
Performing Lab	Legacy Laboratory Services	ARUP Laboratories
Mnemonic	LYME ABS LYME ABS RFLX	LYME SCRNL LYME SCRNR
Synonym	Borrelia burgdorferi	N/A
Guidelines	LYME (Borrelia burgdorferi) ANTIBODY SCREEN IGG/IGM: Lyme disease is an infectious disease caused by the spirochete <i>Borrelia burgdorferi</i> , and is transmitted through the bite of one of several Ixodes species ticks. Positives are NOT automatically reflexed for confirmation by Western Blot. If Western Blot confirmation of positive is desired, order LYME SCREEN IGG/IGM REFLEX TO LYME WB.	LYME ANTIBODY SCREEN (IgG AND IgM): Lyme disease is an infectious disease caused by the spirochete <i>Borrelia burgdorferi</i> , and is transmitted through the bite of one of several Ixodes species ticks. Positives are NOT automatically reflexed for confirmation by Western Blot. If Western Blot confirmation of positive is desired, order 1) Lyme Antibody Screen and 2) Lyme Antibody Western Blot.
Collect	Serum, one 5.0 mL gold (SST) or 7.0 mL red top tube	Serum, one gold (SST) top tube
Handling	Allow serum to clot completely at room temperature (minimum - SST: 30 minutes, red top tubes: 60 minutes). Centrifuge and separate serum from cells ASAP.	Allow blood to clot, centrifuge, separate serum from cells ASAP and refrigerate.
Preferred Volume	LYME (Borrelia burgdorferi) ANTIBODY SCREEN IGG/IGM: 1.0 mL Serum LYME (Borrelia burgdorferi) SCREEN IGG/IGM REFLEX TO LYME WB: 2.0 mL Serum	LYME ANTIBODY SCREEN (IgG AND IgM): 1.0 mL Serum LYME SCREEN IGG/IGM REFLEX TO LYME WB: 3.0 mL Serum



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Name	NEW (Starts 10/17/17)		Current (Prior to 10/17/17)
	LYME ANTIBODY SCREEN IGG/IGM		LYME ANTIBODY SCREEN (IgG AND IgM)
	LYME SCREEN IGG/IGM REFLEX TO LYME WB		LYME SCREEN IGG/IGM REFLEX TO LYME WB
Minimum Volume	LYME (Borrelia burgdorferi) ANTIBODY SCREEN IGG/IGM: 0.5 mL (1.2 mL minimum whole blood draw) LYME (Borrelia burgdorferi) SCREEN IGG/IGM REFLEX TO LYME WB: 1.0 mL Serum (2.5 mL minimum whole blood draw)		LYME ANTIBODY SCREEN (IgG AND IgM): 0.5 mL (1.2 mL minimum whole blood draw) LYME SCREEN IGG/IGM REFLEX TO LYME WB: 2.0 mL Serum
Transport	Refrigerated (2-8 °C)		Refrigerated (2-8 °C)
Rejection Criteria	Grossly hemolyzed, icteric or lipemic samples; heat inactivated samples; plasma.		Plasma; microbial contamination or heat-inactivated serum.
Stability	Room Temp (18-26°C)	Unacceptable	24 hours
	Refrigerated (2-8°C)	7 days	5 days
	Frozen (< -20°C)	Unacceptable	2 months
Reference Ranges	Lyme (Borrelia burgdorferi) Antibody Screen IgG/IgM: <=0.89 Index Value Negative for <i>Borrelia burgdorferi</i> antibodies. A negative result does not exclude the possibility of <i>Borrelia burgdorferi</i> infection. If early Lyme disease is suspected, a second sample should be collected and tested two to four weeks later. 0.90-1.09 Index Value Equivocal for <i>Borrelia burgdorferi</i> antibodies. Recommend Western Blot testing. >=1.10 Index Value Positive for <i>Borrelia burgdorferi</i> antibodies. Recommend Western Blot testing. Lyme (Borrelia burgdorferi) Antibody Screen IgG/IgM with Reflex: <=0.89 Index Value Negative for <i>Borrelia burgdorferi</i> antibodies. A negative result does not exclude the possibility of <i>Borrelia burgdorferi</i> infection. If early Lyme disease is suspected, a second sample should be collected and tested two to four weeks later. 0.90-1.09 Index Value Equivocal for <i>Borrelia burgdorferi</i> antibodies. Reflexed for Western Blot testing. >=1.10 Index Value Positive for <i>Borrelia burgdorferi</i> antibodies. Reflexed for Western Blot testing.		LYME ANTIBODY SCREEN (IgG AND IgM): 0.99 LIV or less: Negative – Antibody to <i>B. burgdorferi</i> not detected. 1.00-1.20 LIV: Equivocal – Repeat testing in 10-14 days may be helpful. 1.21 LIV or greater: Positive – Probable presence of antibody to <i>B. burgdorferi</i> detected. LYME SCREEN IGG/IGM REFLEX TO LYME WB: 0.99 LIV or less: Negative – Antibody to <i>B. burgdorferi</i> not detected. 1.00-1.20 LIV: Equivocal – Repeat testing in 10-14 days may be helpful. 1.21 LIV or greater: Positive – Probable presence of antibody to <i>B. burgdorferi</i> detected. Borrelia burgdorferi Antibodies, IgG and IgM by Immunoblot to follow.
Performed	Monday-Friday		7 days/week
Reported	24-72 hours		Within 24 hours
Method	Chemiluminescent Immunoassay		ELISA

For additional information, please contact your account representative, client services or consult our website:
 Legacy Laboratory Client Services: 503-413-1234, 877-270-5566, www.legacyhealth.org/labservices