

Legacy Laboratory Services

Legacy Lab Alert

October 2017

An Important Update from Legacy Laboratory Services

Update: Epstein-Barr Virus Antibody Panel

Effective October 17, 2017, Legacy Laboratory Services will be performing the Epstein-Barr Virus Antibody Panel. Please note that room temperature stability is unacceptable, refrigerated stability has decreased from 2 weeks to 2 days, and frozen stability has not been established. Specimens exceeding our stability criteria will be referred to ARUP Laboratories until extended stability studies are completed. Other changes to specimen requirements are listed in Table 1. There are no changes to the method or reference ranges.

Table 1: Specimens Requirements for Epstein-Barr Virus Antibody Panel – Significant changes are indicated in red font.

Name	NEW (Starts 10/17/17)	Current (Prior to 10/17/17)
	Epstein-Barr Virus Antibody Panel	Epstein-Barr Virus Panel
Performing Lab	Legacy Laboratory Services	ARUP Laboratories
Mnemonic	EBV AB PAN	EBV PAN1
Includes	Epstein-Barr Virus IgG Antibody to Early D Antigen Epstein-Barr Virus IgG Antibody to Nuclear Antigen Epstein-Barr Virus IgG Antibody to Viral Capsid Antigen Epstein-Barr Virus IgM Antibody to Viral Capsid Antigen	Epstein-Barr Virus IgG Antibody to Early D Antigen Epstein-Barr Virus IgG Antibody to Nuclear Antigen Epstein-Barr Virus IgG Antibody to Viral Capsid Antigen Epstein-Barr Virus IgM Antibody to Viral Capsid Antigen
Collect	Serum, one 5.0 mL gold (SST) or 7.0 mL red top tube.	Serum, one 4.0 mL 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.	Separate serum from cells ASAP. Parallel testing is preferred and convalescent samples must be received within 30 days from receipt of acute samples. Please mark samples plainly as Acute or Convalescent.
Preferred Volume	2.0 mL Serum	2.0 mL Serum
Minimum Volume	0.5 mL (1.2 mL minimum whole blood draw)	0.5 mL (1.2 mL minimum whole blood draw)
Transport	Refrigerated (2-8 °C)	Refrigerated (2-8 °C)
Rejection Criteria	Grossly hemolyzed, icteric or lipemic samples; heat inactivated samples; plasma.	Tissue or urine. Contaminated, grossly hemolyzed, or heat-inactivated specimens.

Name		NEW (Starts 10/17/17)	Current (Prior to 10/17/17)
		Epstein-Barr Virus Antibody Panel	Epstein-Barr Virus Panel
Stability	Room Temp (18-26°C)	Unacceptable	2 days
	Refrigerated (2-8°C)	2 days	2 weeks
	Frozen (< -20°C)	Unacceptable	1 year; avoid repeated freeze/thaw cycles
Reference Ranges		<p>EBV IgG Ab to Early D Ag: <=8.9 U/mL Negative for Epstein-Barr Virus Early Antigen (D) IgG Antibody 9.0-10.9 U/mL Equivocal for Epstein-Barr Virus Early Antigen (D) IgG Antibody. Repeat testing in 7-10 days may be helpful. >=11.0 U/mL Positive for Epstein-Barr Virus Early Antigen (D) IgG Antibody.</p> <p>EBV IgG Ab to Nuclear Ag: <=17.9 U/mL Negative for Epstein-Barr Virus Nuclear Antigen IgG Antibody. 18.0-21.9 U/mL Equivocal for Epstein-Barr Virus Nuclear Antigen IgG Antibody. Repeat testing in 7-10 days may be helpful. >=22.0 U/mL Positive for Epstein-Barr Virus Nuclear Antigen IgG Antibody.</p> <p>EBV IgG Ab to Viral Capsid Ag: <=17.9 U/mL Negative for Epstein-Barr Virus Viral Capsid Antigen IgG Antibody. 18.0-21.9 U/mL Equivocal for Epstein-Barr Virus Viral Capsid Antigen IgG Antibody. Repeat testing in 7-10 days may be helpful. >=22.0 U/mL Positive for Epstein-Barr Virus Viral Capsid Antigen IgG Antibody.</p> <p>EBV IgM Ab to Viral Capsid Ag: <=35.9 U/mL Negative for Epstein-Barr Virus Viral Capsid Antigen IgM Antibody. 36.0-43.9 U/mL Equivocal for Epstein-Barr Virus Viral Capsid Antigen IgM Antibody. Repeat testing in 7-10 days may be helpful. >=44.0 U/mL Positive for Epstein-Barr Virus Viral Capsid Antigen IgM Antibody.</p>	<p>Epstein-Barr Virus Antibody to Early D Antigen (EA-D), IgG: 8.9 U/mL or less: Not Detected 9.0-10.9 U/mL: Indeterminate. Repeat testing in 10-14 days may be helpful. 11.0 U/mL or greater: Detected</p> <p>Epstein-Barr Virus Antibody to Nuclear Antigen, IgG: 17.9 U/mL or less: Not Detected 18.0-21.9 U/mL: Indeterminate. Repeat testing in 10-14 days may be helpful. 22.0 U/mL or greater: Detected</p> <p>Epstein-Barr Virus Antibody to Viral Capsid Antigen, IgG: 17.9 U/mL or less: Not Detected 18.0-21.9 U/mL: Indeterminate. Repeat testing in 10-14 days may be helpful. 22.0 U/mL or greater: Detected</p> <p>Epstein-Barr Virus Antibody to Viral Capsid Antigen, IgM: 35.9 U/mL or less: Not Detected 36.0-43.9 U/mL: Indeterminate. Repeat testing in 10-14 days may be helpful. 44.0 U/mL or greater: Detected</p>
Performed	Monday-Friday	7 days/week	
Reported	24-72 hours	3-5 days	
Method	Chemiluminescent	Chemiluminescent	

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