

TEST UPDATE

ANTI-PHOSPHOLIPID ANTIBODIES

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This change will take effect **April, 14, 2014**

OVERVIEW AND CLINICAL UTILITY:

Effective April 14, 2014, PathGroup will be changing methodology for cardiolipin antibodies IgA, IgG and IgM from enzyme immunoassay to multiplex flow immunoassay. We will also insource Beta-2 Glycoprotein IgA, IgG and IgM using multiplex flow immunoassay. The antiphospholipid syndrome (APS) is a systemic autoimmune disorder characterized by the main clinical features of venous and/or arterial thrombosis (intravascular blood clotting), thrombocytopenia, recurrent fetal loss, and moderate-to-high titers of antiphospholipid (aPL) antibodies, lupus anticoagulant (LA), anti-CL (aCL) antibodies and anti- β_2 GPI (a β_2 GPI) antibodies. aPL antibodies are autoantibodies that react with negatively-charged phospholipids (e.g. Cardiolipin). They are frequently found in sera of patients with systemic lupus erythematosus (SLE) and related diseases and are typical for the development of secondary APS. The presence of antiphospholipid antibodies in patients with no other autoimmune diseases is characteristic of primary APS.

TEST METHODOLOGY:

Multiplex Flow Immunoassay

ORDERING:

TEST	TEST NAME	CPT	LOINC
CIGA	Cardiolipin Antibody IgA	86147	43361-5
CIGG1	Cardiolipin Antibody IgG	86147	43362-3
CIGM	Cardiolipin Antibody IgM	86147	43363-1
CIGMA	Cardiolipin Antibody IgA, IgG, IgM	86147 x3	
B2GAA	Beta-2 Glycoprotein 1 IgA	86146	21108-6
B2GGA	Beta-2 Glycoprotein 1 IgG	86146	16135-6
B2GMA	Beta- 2 Glycoprotein 1 IgM	86146	16136-4
B2GI	Beta-2 Glycoprotein 1 IgA, IgG, IgM	86146 x3	
B2IGIM	Beta-2 Glycoprotein IgG and IgM	86146 x2	

REFERENCE RANGE:

TEST	NEW TEST	PREVIOUS TEST
CIGA	Units: APL-U/mL	Units: APL
	<20 Negative ≥20 Positive	<21 Negative ≥21 Positive
CIGG1	Units: GPL-U/mL	Units: GPL
	<20 Negative ≥20 Positive	<22 Negative ≥22 Positive
CIGM	Units: MPL-U/mL	Units: MPL
	<20 Negative ≥20 Positive	<10 Negative ≥10 Positive
B2GAA	Units: U/mL	Units: U/mL
B2GMA	<20 Negative	<20 Negative
B2GGA	≥20 Positive	≥20 Positive

SPECIMEN COLLECTION AND STORAGE:

IF ORDERING:
<ul style="list-style-type: none"> • Collect specimen in a serum separator tube. <ul style="list-style-type: none"> a) Allow serum tube to clot for 30 minutes. b) Spin serum separator tube 10-15 minutes @ 3500 rpm. • Serum specimens are stable refrigerated for 3 days. • Transport specimen refrigerated.

TEST PERFORMED: Monday- Friday

TURNAROUND TIME: 1-2 days

For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227