

REVISED: Change in effective date, Cutoff value, and when results are available
UPDATE: Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) Activity

Effective Date: September 7, 2016

Effective **September 7, 2016**, the current Lipoprotein-Associated Phospholipase A2 (Lp-PLA2) immunoassay will be replaced by an enzyme assay that measures the activity of the lipoprotein-associated phospholipase A2. The new test will be performed in the Automated Chemistry Laboratory. There are no changes in specimen requirements, preparation, storage and transport, however, the risk for coronary heart disease events will change as follows:

New Reference Cutoff value: Less than 225 nmol/min/mL

Old Reference Cutoff value: **Less than 235 ng/mL**

Lipoprotein-associated phospholipase A2 is an inflammatory protein produced in the vascular intima and is highly up-regulated in atherosclerotic plaques, especially within the necrotic core and macrophages surrounding vulnerable plaques. It circulates bound to low density lipoproteins and to a lesser extent high density lipoproteins. Individuals with increased Lp-PLA2 activity are at higher risk for coronary heart disease events and stroke.

Use of Lp-PLA2 activity in conjunction with the other clinical parameters (e.g., age, life expectancy, etc.) and traditional risk factors (e.g., LDL-cholesterol, total cholesterol, blood pressure, etc.) may be used to refine risk assessment in primary prevention.

The assay will be performed Wednesday and Friday, **with results available within 3 business days after receipt into the laboratory.**

If you have questions, please contact Client Services (1-800-551-0488, option 5).

Internal URL to Laboratory Bulletins:

http://employee.beaumont.edu/portal/pls/portal/ip30dev.page_pkg.page?xid=lab_bulletins

External URL to Laboratory Bulletins:

<http://beaumontlaboratory.com/hospitals-laboratories-three/test-information-center/laboratory-bulletins/>

Laboratory Test Directory: <http://beaumontlaboratory.com/test-lab-directory>.

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