

Lp-PLA₂ Activity

CPT Code: 83698

Order Code: 94218

ABN Requirement: No

Synonyms: Lipoprotein-associated Phospholipase A₂; Lp-PLA₂; Lp-PLA₂ Activity Assay

Specimen: Serum

Volume: 1.0 mL

Minimum Volume: 0.5 mL

Container: Gel-barrier tube (SST, Tiger Top)

Serum: Gel-barrier tube (SST, Tiger Top)

Collection:

1. Collect and label sample according to standard protocols.
2. Gently invert tube 5 times immediately after draw. DO NOT SHAKE.
3. Allow blood to clot 30 minutes.
4. Centrifuge for 10 minutes.

Fasting: Fasting is preferred, but not required.

Transport: Store serum at 2°C to 8°C after collection and ship the same day per packaging instructions included with the provided shipping box.

Stability:

Ambient (15-25°C): 7 days

Refrigerated (2-8°C): 28 days

Frozen (-20°C): 28 days

Causes for Rejection: Specimens other than serum; samples not processed properly; samples older than stability limits; gross hemolysis

Methodology: Enzymatic Assay

Turn Around Time: 3 to 4 days

Relative Risk Ranges:

Clinical Significance: Lipoprotein-associated phospholipase A₂ (Lp-PLA₂), also known as platelet activating factor acetylhydrolase, is an inflammatory enzyme that circulates bound mainly to low-density lipoproteins and has been found to be localized and enriched in atherosclerotic plaques. In multiple clinical trials, Lp-PLA₂ activity has been shown to be an independent predictor of coronary heart disease and stroke in the general population. Measurement of Lp-PLA₂ may be used along with traditional cardiovascular risk factor measures for identifying individuals at higher risk of cardiovascular disease events. Clinical management may include beginning or intensifying risk reduction strategies.

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