



LIPOSCREEN LDL SUBFRACTIONS & OXIDISED LDL - Test Code 4031



Turnaround Time : 7-10 Business days



Specimen Type: SST Blood

Description

The LipoScreen LDL Subfractions and Oxidised LDL test provides a comprehensive evaluation of low-density lipoprotein (LDL) particles, assessing both their size and the extent to which they have been oxidised. Traditional lipid panels often overlook these critical factors; however, understanding the composition and behaviour of LDL particles is essential for a thorough cardiovascular risk assessment. Smaller, denser LDL particles are more atherogenic, meaning they contribute to plaque buildup in arteries, while larger, less dense particles are considered less harmful (Chary et al., 2023).

Oxidised LDL (oxLDL) is particularly important as it is a key player in the development of atherosclerosis (Khatana et al., 2020). The oxidation of LDL can trigger inflammatory responses and promote the formation of arterial plaques (Khatana et al., 2020). Elevated levels of oxLDL are linked to increased cardiovascular risk, making its measurement vital for individuals with a family history of heart disease or other risk factors.

By providing detailed insights into LDL particle size and oxidation status, this test aids healthcare providers in tailoring prevention and treatment strategies for cardiovascular health.

Whats included?

- Cholesterol
- Triglycerides
- HDL, LDL
- Lipoprotein (a)
- VLDL & IDL
- LDL subfractions (x7)
- Oxidised LDL

Conditions and Symptoms

- High Blood Pressure
- Numb or cold extremities
- Chest pain
- Shortness of breath
- Fatigue
- Muscle weakness and cramping
- Irregular heartbeat

Complementary Testing

- Methylation Profile (Test Code 5101)
- Homocysteine (Test Code 4007)

Accreditations Include:

- NATA ISO 15189 – Requirements for Quality and Competence in Medical Laboratories*
- CLIA – Clinical Laboratories Improvement Amendments*



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*See NATA and CLIA website for further details