



HDL SUBFRACTIONS - Test Code 4030



Turnaround Time : 7-10 Business days



Specimen Type: SST Blood

Description

High-density lipoproteins (HDL) are a diverse group of particles that play a crucial role in cardiovascular health. Traditionally, HDLs have been celebrated as the 'knights in shining armour' for the heart, helping to transport cholesterol away from the arteries and back to the liver for removal, thereby protecting against coronary heart disease (Franczyk et al., 2021). However, recent research indicates that changes in HDL subclass levels and their functions are often observed in diseases related to atherosclerosis (Franczyk et al., 2021).

Studies have shown that different HDL subclasses may be more closely linked to heart disease than total HDL levels alone. In fact, some smaller HDL subfractions may even contribute to heart disease risk. The HDL family includes large, intermediate and small subclasses, with the large and intermediate HDL particles being considered protective against atherosclerosis (Franczyk et al., 2021). Meanwhile, the small HDL subclass has become a topic of debate regarding its potential harmful effects.

Traditionally, HDL has been divided into two major subclasses (HDL-2 and HDL-3), but up to ten subfractions have been identified using various separation methods. The Liposcreen HDL Subfraction test now offers the ability to measure these specific HDL subfractions, providing valuable insights for patients with atherosclerosis-related diseases and helping to better assess their cardiovascular risk.

Whats included?

- Cholesterol
- Triglycerides
- HDL
- HDL subfractions (x3)

Conditions and Symptoms

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

Complementary Testing

- Liposcreen LDL Subfractions (Test code 4028)
- Oxidised LDL (Test code 4029)

Accreditations Include:

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



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