

Quantification of HDL and LDL/VLDL Cholesterol in serum using ELISA

Lipoproteins are small spherules that transport fats in the body and consist of protein, cholesterol, triglycerides, and phospholipids. The terms "good" and "bad" cholesterol refer to High Density Lipoproteins (HDL) and Low Density Lipoproteins (LDL), respectively. High levels of LDL are associated with coronary atherosclerosis, whereas high levels of HDL appear to protect against cardiovascular diseases

HDL Cholesterol should be 0.75-2.74 mmol/L. Elevated values is often associated with reduced risk of CVD. LDL C should be 1.15-4.74 and high values indicated increased risk of CVD. Reference ranges are age dependent for both.

Vitas AM-295 is a simple enzyme-based quantification method for HDL and LDL/VLDL cholesterol in serum/plasma samples.

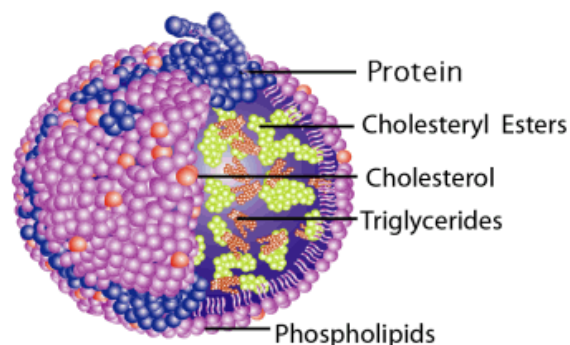
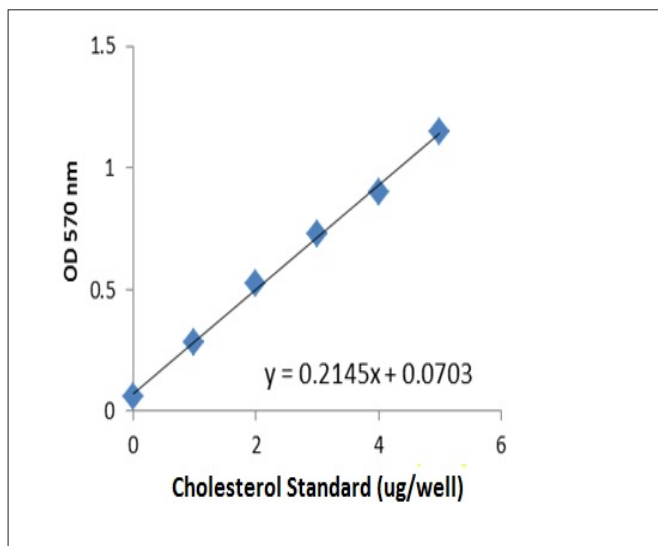


Illustration of a lipoprotein

Calibration curve for the quantification of HDL chol in human serum



Method details:

- Technique: Sandwich ELISA
 - Sample Matrix: Plasma ,serum
 - Species: All
 - Anticoagulant: All
 - Required sample volume: 100 µL
 - Shipping: Dry Ice
 - Method Range : 0,2-10 mmol/L
 - LOD: 0.05 mmol/L
 - Precision: 4.5 %
- Accuracy: Seronorm™ Lipid

Vitas is a Norwegian GMP certified chemical analysis contract lab, with 20 years experience in providing a high quality, custom chromatographic analytical service based on cutting-edge knowledge and technology.