

Apolipoprotein C-II

Analyte: Apolipoprotein C-II

Specimen Type: Serum and EDTA plasma

Optimum Volume: 0.5 mL

2-8°C

-20°C

-70°C

1 week

3 months

2.5 year

Reporting units: mg/dL

Method: Immunoturbidimetric

Biological or Clinical Significance:

Apolipoproteins are components of lipoproteins in plasma and are important in determining the structure, function and metabolism of lipoproteins. Apolipoprotein C-II is contained in very low density lipoproteins (VLDL) and high density lipoproteins (HDL), and activates lipoprotein lipase (LPL) on the surface of endothelial cells. In type II dyslipidemia patients a strong positive correlation between plasma TG and apo C-II and C-III concentrations exists. However, the most pronounced increase in plasma apolipoproteins is observed in type V dyslipidemia patients. In these patients, plasma TG are positively correlated with apo C-III and inversely correlated with apo C-II.

Principle of Test Method:

The apo C-II assay is an automated immunoturbidimetric method.