

## **Abstract**

Knowledge of the chemical composition of lipoproteins has a broad meaning. In determining lipoprotein particle size fractions is necessary to preliminary separation by ultracentrifugation in density solutions. Usually the determination is performed by electrophoretic or gel filtration with a suitable detection, which distorts the results. A better solution offers a new detector, called Light Scattering Detector, which detects the bend of laser beam on molecules or particles in solution. To calculate the required particle size dependence on the concentration of the refractive index  $dn / dc$ . Concentration is determined gravimetrically and refractive indices by refractometric method. Dependence suits polynomial function. If it correlates with the chemical composition of VLDL lipoprotein can be determined by studying a larger number of samples.