LIPOPROTEIN, HIGH DENSITY
HDL; α-lipoprotein
from Human Plasma

Product No. L 2014

Product Description
HDL, LDL and VLDL are isolated sequentially from plasma by using the modified methods of Rudel, L.L. and Burstein, M. Each lipoprotein is then concentrated and dialyzed extensively against 0.15 M NaCl, 0.01% EDTA, pH 7.4-7.5. HDL and LDL are then filtered through a 0.2 µ membrane and VLDL is filtered through a 0.45 µ membrane.

Each lipoprotein class has a characteristic electrophoretic mobility and chemical composition. Each class is essentially free from contamination by other lipoprotein as determined by agarose electrophoresis using sudan black B staining for lipid. However, it is common for some serum proteins, foreign to the lipoprotein itself, to be present.

Storage
All lipoproteins should be stored at 2-8 °C. Freezing may cause structural or composition changes.

Product Profile
Protein concentration: 10-13 mg/ml assayed by modified Lowry method using BSA as standard (see vial label for lot specific number).
Buffer: 0.15 M NaCl, 0.01% EDTA, pH 7.4-7.5
Source: Fresh, non-frozen plasma
Size: M.W. 1.75-5 x 10^5; diameter 6-12.5 nm
Chemical composition: Approx. 45% lipid and 55% protein

References