ProductInformation

LIPOPROTEIN, VERY LOW DENSITY (VLDL; pre-ß-lipoprotein) from Human Plasma

Product No. **L2264**

Product Description

HDL, LDL and VLDL are isolated sequentially from plasma by using the modified methods of Rudel, L.L.[3] and Burstein, M[4]. 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: 0.3-1.2 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. 6-27 x 10^6; diameter 25-90 nm[1]
Chemical composition: 88-95% lipid and 5-12% protein[2]

References

1. Mills, G.L., *et al.*, A Guidebook to Lipoprotein Technique, Elsevier:Amsterdam, New York and Oxford, 1984: p. 3.
2. Olivecrona, T., *et al.,* Biochim Biophys. Acta, **98,** 81 (1965)
3. Rudel, L.L., *et al.*, Biochem. J., **139,** 89 (1974)
4. Burstein, M., *et al.*, Can. J. Biochem., **55,** 766 (1977)
5. Frederickson, D.S., Circulation, **31,** 321 (1965)

1/98