



Product Information

LIPOPROTEIN, LOW DENSITY (LDL; β -lipoprotein) from Human Plasma

Product No. L 2139

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 lipoproteins 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 compositional changes.

Product Profile

Protein concentration: 5.0-6.5 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. 3.5×10^6 ; diameter 25.8 nm¹

Chemical composition: 22% protein and 78% lipid²

References

1. Margolis, S., J. Lipid Res., **8**, 501 (1967)
2. Fellin, R.B., *et al.*, Clin. Chim. Acta, **54**, 325 (1974)
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)

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