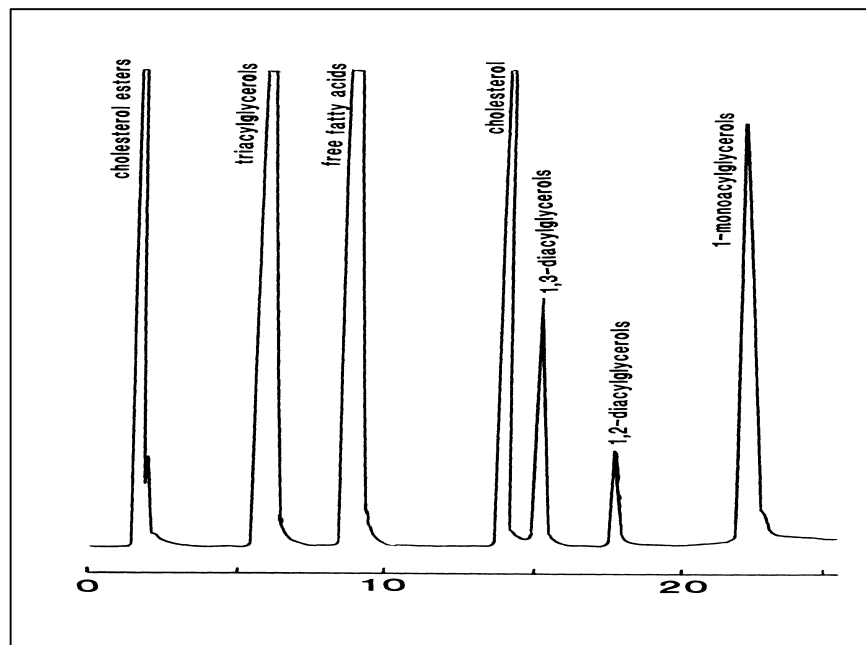


SEPARATION OF NON POLAR LIPIDS



Separation of lipids classes with S3W Spherisorb column, adapted from H.El-Hamdy and William W. Christie, J.H. Resol. Chrom. (1993) , 16,55

The separation and the detection of the lipid class extracts remain the most important problem for lipodologists.

DDL 31 is the appropriated detector for lipid determination. In opposite to UV detection, ELSD detection has no problem of cut off caused by organic solvents at 210 nm. Moreover the use of gradient does not involve any baseline drift. Detection limit is in the ng range.

Chromatographic conditions :

Column : Spherisorb S3CN(100x4,6 mm from Phase Sep).

Mobile Phase : Gradient separation of :

A - hexane

B - methyl ter-butyl ether

Flow Rate : 1 ml/min

Gradient : %B

0min:2% 3min:2% 15min:20% 20min:100%

30min:100% 31min:0%

ELSD Temperature : 35°C

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