

Lipid Analysis Methodology

Fatty acids and lipids are analyzed by classical methods in lipid chemistry. Cells, tissue, plasma or media are generally extracted with a nonpolar solvent like chloroform with methods like Bligh and Dyer and/or Folch and Lees. Once lipid extracts are generated, they may then be analyzed for total lipid fatty acid content or may be fractionated into several lipid classes by thin layer chromatography including total phospholipids, free or non-esterified fatty acids, triglycerides and cholesterol esters.