TITLE OF THE INVENTION: UNIVERSAL LIPID QUANTITATIVE STANDARDS FOR USE IN LIPIDOMICS

ABSTRACT

The present disclosure provides for a universal lipid quantitative standard (ULQS) comprising a plurality of isotopically labeled lipid standards that can be used with any analytical mass spectrometry techniques known in the art. The ULQS includes at least one isotopically labeled lipid species from one or more of the following lipid classes: i) phospholipids; ii) lysophospholipids; iii) cholesterol esters; iv) triacylglycerols; v) diacylglycerols; vi) ceramides; and vii) sphingomyelins.

[FIGURE 2C]