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Liquid extraction surface analysis field asymmetric waveform ion mobility spectrometry mass spectrometry for the analysis of dried blood spots

Rian L. Griffiths and Helen J. Cooper*

School of Biosciences, University of Birmingham, Edgbaston, Birmingham B15 2TT, UK.

*To whom correspondence should be addressed: h.j.cooper@bham.ac.uk

Supplemental Information

Supplemental Figure 1. (A) Total ion transmission map (m/z vs. compensation field (CF)) obtained following LESA FAIMS mass spectrometry of dried blood spots at DF = 270 Td. (B) The same total ion transmission map is shown with a mean mass spectrum of data acquired during the FAIMS analysis (DF = 270 Td, CF = -1 to 4 Td) overlaid in white.

Supplemental Figure 2. Single ion transmission maps showing the 18+ to 13+ charge states of α -globin ions (A-F) and β -globin ions (G-L) obtained following LESA 2D FAIMS analysis (DF = 130-270 Td, CF = -1-4Td).

Supplemental Figure 3. LESA FAIMS HCD MS/MS spectra of lipid species from DBS (DF = 130 Td, CF = 1.8 Td). Precursor ions with m/z A) 786.6, B) 758.6, C) 782.6 and D) 760.6 all fragment to form the characteristic product ion of phosphatidylcholine lipid species (m/z 184.07).