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A liquid chromatography-tandem mass spectrometry method to measure fatty acids in biological samples.

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mass spectrometry (LC-ESI-MS/MS)-limit of detection (LOD), limit of quantification (LOQ), linoleic acid (LA), oleic acid (OA), palmitic acid (PA), stearic acid (SA).

Abbreviations:

1-ethyl-3-(3-dimethylaminopropyl)-carbodiimide HCl (EDC), 4-(Dimethylamino) pyridine (DMAP), 4-[2-(*N,N*-Dimethylamino)ethylaminosulfonyl]-7-(2-aminoethylamino)-2,1,3-benzoxadiazole (DAABD-AE), alpha-linolenic acid (LNA) arachidonic acid (AA), colorectal cancer (CRC), coefficient of variation (CV), deuterated alpha-linolenic acid (LNA-d₁₄), docosapentaenoic acid (DPA), docosahexaenoic acid (DHA), eicosapentaenoic acid (EPA), EPA for Metastasis Trial (EMT), fatty acid (FA), free fatty acid (FFA), gas chromatography tandem mass spectrometry (GC-MS), liquid chromatography electrospray ionization triple quadrupole tandem mass spectrometry (LC-ESI-MS/MS)-limit of detection (LOD), limit of quantification (LOQ), linoleic acid (LA), oleic acid (OA), palmitic acid (PA), stearic acid (SA).

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