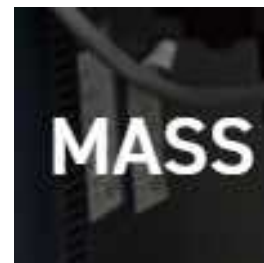


Version 1

 H_QTof_PL_v1 V.1

DOI

<https://dx.doi.org/10.17504/protocols.io.n92ld8xr8v5b/v1>



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Disclaimer

If our core staff makes intellectual contributions to your project, we would appreciate their names as co-authors in your publication. If our team does not contribute intellectually, we kindly request that the UTD mass spec core be acknowledged in your paper. Contributions such as method development, experimental design, data analysis, statistical analysis, pathway analysis, interpretation of mass spectrometry data, and drafting or revising the article should be recognized as intellectual contributions.

Abstract

To extract plasma lipids for LCMS analysis.

Guidelines

Use glassware throughout this protocol.

Materials

Fishers 3 ml glass tube

Glass tube cap

Glass pipette tips

Regular pipette tips for plasma only.

Before start

Use LCMS grade water and solvents.



To extract plasma lipids for LCMS study

- 1 *Transfer plasma 50 ul (regular pipette tips) into a 3 ml glass tube*
- 2 *Add 200 ul of LCMS grade-chloroform/methanol (2:1)*
- 3 *Stand for 5 min at room temperature.*
- 4 *Vortex for 1 min*
- 5 *Use glass pipette tips to collect the lower organic phase and transfer the liquid to a new glass tube.* 
- 6 *Repeat steps 3-5*
- 7 *Use glass pipette tips to collect the lower organic phase and transfer the tube in step 5.*
- 8 *Centrifuge 12,000 g, for 5 min at 4c* 
- 9 *Evaporate to dryness* 
- 10 *Cap the tube, store at -20oC*
- 11 *Deliver the sample to mass spec core.* 