

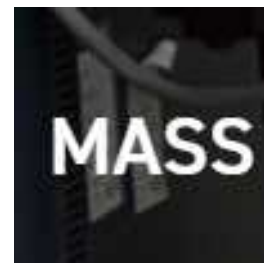
Oct 08, 2024

Version 2

H_QTof_PL_v2 V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.n92ld8xr8v5b/v2>



Fang Bian¹

¹University of Texas at Dallas



Mass Spec Core

University of Texas at Dallas

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.n92ld8xr8v5b/v2>

Protocol Citation: Fang Bian 2024. H_QTof_PL_v2. **protocols.io**

<https://dx.doi.org/10.17504/protocols.io.n92ld8xr8v5b/v2> Version created by **Mass Spec Core**

Manuscript citation:

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.

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: September 18, 2024

Last Modified: October 08, 2024

Protocol Integer ID: 107928

Keywords: plasma, lipids, extraction, plasma lipids for lcms analysis, plasma lipid, h-qtof-pl-v2, lcms analysis

Funders Acknowledgements:

NSF

Grant ID: 2018188

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 *Centrifuge 12,000 g, for 5 min at 4c* 
- 6 *Use glass pipette tips to collect the lower organic phase and transfer the liquid to a new glass tube.* 
- 7 *Repeat steps 2-5*
- 8 *Use glass pipette tips to collect the lower organic phase and transfer the same tube in step 6.*
- 9 *Evaporate the extracted solvents to dryness* 
- 10 *Cap the tube, store at -20oC*
- 11 *Deliver the sample to mass spec core.* 