OCT 04, 2019

a protein precipitation extraction method

PLOS One

Idha Arfianti¹

¹Universiti Malaya

Idha Arfianti

OPEN ACCESS

DOI:

dx.doi.org/10.17504/protocols.io.3xrgpm6

External link:

<https://doi.org/10.1371/journal.pone.0221774>

Protocol Citation: Idha

Arfianti 2019. a protein precipitation extraction method. **protocols.io**

<https://dx.doi.org/10.17504/protocols.io.3xrgpm6>

MANUSCRIPT CITATION:

Wiraagni IA, Mohd MA, Rashid RbA, Haron DEbM (2019) Validation of a simple extraction procedure for bisphenol A identification from human plasma. PLoS ONE 14(10): e0221774. doi: [10.1371/journal.pone.0221774](https://doi.org/10.1371/journal.pone.0221774)

License: This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

Created: Jun 09, 2019

- 1 The frozen plasma was thawed at room temperature ($25 \pm 1^{\circ}\text{C}$).
- 2 The thawed plasma was vortexed to ensure the sample was homogenous.
- 3 To each 100 μL plasma sample, 50 μL of internal standard (IS) (containing 2 $\mu\text{g}/\text{mL}$ of IS) was added, followed by the addition of 250 μL of acetonitrile (ACN).
- 4 The mixture was vortexed, shaken for 5 s, and centrifuged for 2 min at 14800 rpm.
- 5 The supernatant was filtered with a 0.2 μm syringe filter, then transferred to new a vial.
- 6 Two microliters were then injected into the LC-MS/MS system.