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Two-step protocol: Preparation and extrusion of phospholipid liposomes V.3

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Manuscript citation:
Collins, J. R, H. F. Fredricks, J. S. Bowman, C. P. Ward, C. Moreno, K. Longnecker, A. Marchetti, C. M. Hansel, H. W. Ducklow, and B. A. S. Van Mooy. 2018. The molecular products and biogeochemical significance of lipid photooxidation in West Antarctic surface waters. *Geochimica et Cosmochimica Acta* **232**:244–264; doi:10.1016/j.gca.2018.04.030

Protocol status: Working
We use this protocol and it's working

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Abstract

The protocols in this collection were original created by **Krista Longnecker** and **Jamie Collins** for creating lipsomes to be used in lipid photo-oxidation experiments. The results of these experiments are detailed in:

Collins, J. R, H. F. Fredricks, J. S. Bowman, C. P. Ward, C. Moreno, K. Longnecker, A. Marchetti, C. M. Hansel, H. W. Ducklow, and B. A. S. Van Mooy. 2018. The molecular products and biogeochemical significance of lipid photooxidation in West Antarctic surface waters. *Geochimica et Cosmochimica Acta* **232**:244–264; doi:**10.1016/j.gca.2018.04.030**

and in Chapter 4 of:

Collins, J. R. 2017. The remineralization of marine organic matter by diverse biological and abiotic processes. Ph.D. thesis. Cambridge, Massachusetts: Massachusetts Institute of Technology, 300 pp; doi:**10.1575/1912/8721**

Files

SEARCH

Protocol

NAME

Part 1: Preparation of lipid films for phospholipid liposomes

VERSION 2

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Protocol

NAME

Part 2: Extrusion and suspension of phospholipid liposomes from lipid fims

VERSION 2

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