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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](https://doi.org/10.1016/j.gca.2018.04.030)

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

James R Collins¹, James R. Collins², Krista Longnecker², Helen F. Fredricks², Benjamin A. S. Van Mooy²

¹Oregon Department of Environmental Quality;

²Woods Hole Oceanographic Institution

Van Mooy Lab @ WHOI

James R Collins

Oregon Department of Environmental Quality

ABSTRACT

The protocols in this collection were original created by [Krista Longnecker](#) and [Jamie Collins](#) for creating liposomes 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](https://doi.org/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](https://doi.org/10.1575/1912/8721)

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

Created: Mar 18, 2019

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COLLECTION integer ID:
21574

FILES

Protocol

NAME

Part 1: Preparation of lipid films for phospholipid liposomes

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Protocol

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

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