

Resource Summary Report

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Sampling for RNA / Protein/ dissolved nutrients from phage infection experiments

DOI:10.17504/protocols.io.f27bqhn

Type: Protocol

Proper Citation

Sarah Giuliani 2016. Sampling for RNA / Protein/ dissolved nutrients from phage infection experiments. protocols.io dx.doi.org/10.17504/protocols.io.f27bqhn

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.f27bqhn>

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Group: Coleman Lab

Summary: This sampling protocol is designed to collect two fractions: cell pellets and cell-free filtered supernatants. The cell pellets are used for gene expression analyses by RNA-Seq and proteomics. The cell-free fraction is used for analysis of dissolved analytes (e.g. N, P, DOC). Volumes are based on our experience with cyanobacterial cultures at cell densities ~ 5E7/ml. For more/less concentrated cultures, adjust volumes accordingly.

Affiliations: Coleman Lab - University of Chicago, Department of the Geophysical Sciences

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