

Resource Summary Report

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Phenol-based RNA extraction from polycarbonate filters

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Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bivuke6w>

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Group: The Aquatic Microbial Ecology Research Group - AMERG (The Buchan, Zinser and Wilhelm labs)

Summary: This protocol is an acid-phenol-based method for extracting RNA from samples collected onto polycarbonate filters. Bead-beating is included to increase yields from difficult to lyse cells, for example, in some species of cyanobacteria. We have used it successfully in RNA-sequencing projects involving lab cultures of cyanobacteria and from freshwater and marine environmental samples.

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