

Resource Summary Report

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Sterivex DNA extraction

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Type: Protocol

Proper Citation

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Protocol Information

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

Authors: Rob Lampe, Andrew Allen

Group: A.E. Allen Lab

Summary: A mostly automated protocol for extraction of genomic DNA from seawater filtered onto a Sterivex filter (Cat. No. SVGP0150). Reagents come from the Macherey-Nagel NucleoMag Plant Kit for DNA purification (Cat. No. 744400). Automated liquid handling is performed on an eppendorf EpMotion 5075t with multi-channel pipettes. This protocol assumes that the Sterivex is sealed with tube sealant on the male end and a male-luer lock plug on the female end. Using this protocol, we routinely extract ~80 samples at a time. The protocol has been modified to increase to an 800 µL starting volume. This normally results in less Binding Buffer MC2 than is needed. Extra binding buffer should be purchased separately. The kit manual can be found here: <https://www.mn-net.com/media/pdf/09/46/a0/Instruction-NucleoMag-Plant.pdf> The epMotion program is attached here.

Affiliations: Scripps Institution of Oceanography, Scripps Institution of Oceanography

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