

Resource Summary Report

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Basic protocol for elimination of bacteria from microalgal culture using antibiotics

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Proper Citation

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Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.be9wjh7e>

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Summary: Method used to eliminate bacterial contamination of a marine micro-algal culture. Note, this method is not guaranteed to be 100% successful either due to the fact that the antibiotic combination is not lethal to the bacteria present or it is possible that the strain may not be capable of prolonged growth without the presence of bacteria. This method is based on that of Droop, adapted according to Andersen but using a modern antibiotic mix suggested by S. Slocombe (SAMS - Scottish Association for Marine Science). The method described here have been successfully used by Christian Jeanthon (ECOMAP) to produce axenic cultures of diatoms and *E. huxleyi*. 1. Droop, M. R. A procedure for routine purification of algal cultures with antibiotics. Br. Phycol. Bull. 3, 295–297 (1967). 2. Andersen, R. Algal Cultering Techniques. (Academic Press, 2005).

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