

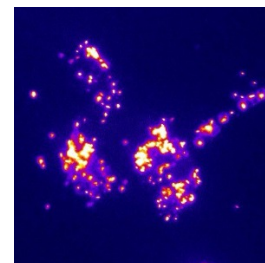
Feb 09, 2017

Version 2

Axenic treatment of *Skeletonema Marinoi* for DNA extraction V.2

DOI

<https://dx.doi.org/10.17504/protocols.io.g6cbzaw>



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Protocol status: Working

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Keywords: axenic treatment of skeletonema marinois, skeletonema marinois, dna extraction, dna, axenic treatment



Grow a dense 30mL culture of Skeletonema (No Ab) (Artificial Seawater)

- 1 With f/2 addition

Take 5mL of cells (don't shake, take from bottom) into a 400mL Artificial Seawater supplemented with

- 2 Final concentrations:
Ciprofloxacin 10ug/L,
Paramomycin 90ug/L,
Cephalexin/Cefalexin 40ug/L

Grow cells four days

- 3

Filter down culture on 3uM pore size papers

- 4 Wash with Artificial Seawater

Scrape cells from paper and into a 160mL Artificial Seawater supplemented with

- 5 Ciprofloxacin 15ug/L,
Paramomycin 100ug/L
Cephalexin/Cefalexin 50ug/L

Grow cells 4-6 days

- 6

Extract DNA



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