

Axenic treatment of *Skeletonema Marinoi* for DNA extraction

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Abstract

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Protocol

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

Step 1.

With f/2 addition

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

Step 2.

Final concentrations:

Ciprofloxacin 10ug/L,

Paramomycin 90ug/L,

Cephalexin/Cefalexin 40ug/L

Grow cells four days

Step 3.

Filter down culture on 3uM pore size papers

Step 4.

Wash with Artificial Seawater

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

Step 5.

Ciprofloxacin 15ug/L,

Paramomycin 100ug/L

Cephalexin/Cefalexin 50ug/L

Grow cells 4-6 days

Step 6.

Extract DNA

Step 7.