

Jun 12, 2019

 f/2 medium

DOI

<https://dx.doi.org/10.17504/protocols.io.s26eghe>



Roscoff Culture Collection¹

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Roscoff Culture Collection



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Protocol Citation: Roscoff Culture Collection 2019. f/2 medium. protocols.io <https://dx.doi.org/10.17504/protocols.io.s26eghe>

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Protocol status: Working

We use this protocol and it's working

Created: August 28, 2018

Last Modified: June 12, 2019

Protocol Integer ID: 15166

Keywords: most phytoplankton species in particular diatom, phytoplankton species, most phytoplankton species, particular diatom, diatom, medium medium, medium

Abstract

Medium to grow most phytoplankton species in particular diatoms.

Materials

STEP MATERIALS

 Guillard's (F/2) Marine Water Enrichment Solution **Merck MilliporeSigma (Sigma-Aldrich) Catalog #G0154-500ML**

Protocol materials

 Guillard's (F/2) Marine Water Enrichment Solution **Merck MilliporeSigma (Sigma-Aldrich) Catalog #G0154-500ML**

Before start

Please refer to our general recommendations to grow cultures :

<https://www.protocols.io/private/A48906DC1374AD6281495CB86A8F092F>



Prepare using Sigma Aldrich stock

- 1
 - Filter 1L of old seawater of at least two months on prefilter and 0.2 μm filter
 - Heat seawater during 10/20 min at 100°C (pasteurisation)
 - Let the water cool down
 - Under laminar flow hood, , add 25 mL of Guillard's (f/2) Marine Water Enrichment Solution (Sigma-Aldrich G9903)
 - Filter the medium on 0,2 μm



Guillard's (F/2) Marine Water Enrichment Solution **Merck MilliporeSigma (Sigma-Aldrich) Catalog #G0154-500ML**

Prepare from base chemicals

- 2 See: https://ncma.bigelow.org/media/wysiwyg/Algal_recipes/NCMA_algal_medium_f_2_1.pdf