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f/2 medium with soil extract

Roscoff Culture Collection¹

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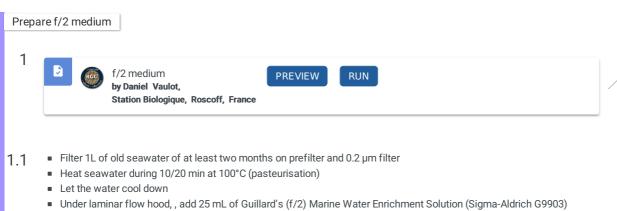
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ABSTRACT

Medium to grow phytoplankton species in particular dinoflagellates which often require soil extract.



Filter the medium on 0,2 μm



 $1.2 \quad \text{See: https://ncma.bigelow.org/media/wysiwyg/Algal_recipes/NCMA_algal_medium_f_2_1.pdf} \\$





2.1 Sample 10 g of dry soil from a place that does not contain any pesticide nor pollutant and where you can be sure to be able to come back in order to always use the same soil. The soil must be dry because the boiling step will be longer if the soil is not dry.

- 2.2 Add the 10 g soil to 400ml of milliQ water.
 2.3 Boil during 1 hour.
 2.4 Filter on 0.2 μm or first through 0.8/0.4 μm and then through 0.2μm in order not to clog the filter.
 2.5 Aliquot and freeze.
 2.6 Add 30 à 50ml of soil extract per 1 L of medium.
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