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Roscoff Culture Collection¹

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Roscoff Culture Collection



Daniel Vaultot

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Protocol status: Working

We use this protocol and it's working

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Abstract

Use for *Schizochytrium*

Guidelines



Materials

MATERIALS

 Difco Bacto peptone **Fisher Scientific**

 D-glucose anhydrous

 Bacto Yeast Extract **Becton Dickinson (BD)**



Before start

Necessary equipment

- Autoclave
- Laminar flow cabinet
- Stainless Steel Filter Holder
- Peristaltic pump

Solutions

- Seawater
- Nutriment (see protocol)

Plasticware and filters

- Polycarbonate bottle (Nalgene) : 1L
- Pipette
- Glass fibre prefilters (Millipore, AP1507500)
- Filters 0,22µm GSWP (Millipore, GSWP09000)
- Stericup® Filter Unit (Millipore, SCGVU10RE)



- 1 Filter 1L of aged seawater (at least two months) on prefilter and 0.2 μ m filter
- 2 Heat seawater during 20min at 100°C
 00:20:00
- 3 To 300 mL of seawater, add :
 - 1 g Difco bacto-peptone
 - 1 g Bacto yeast extract
 - 10 g D-glucose anhydrous
- 4 Complete final volume to 500mL of seawater
- 5 Autoclave the medium
- 6 Under laminar flow hood, filter the medium on 0.2 microns Stericup