VERSION 2

JUN 12, 2019

OPEN ACCESS

DOI:

dx.doi.org/10.17504/protocols.io.s2zegf6

Protocol Citation: Roscoff Culture Collection 2019. YEP Medium. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.s2zegf6>

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Protocol status: Working
We use this protocol and it's working

Created: Aug 28, 2018

Last Modified: Jun 12, 2019

PROTOCOL integer ID:
15161

YEP Medium V.2

Roscoff Culture Collection¹

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Ecology of Marine Plankton (ECOMAP) team - Roscoff

Roscoff Culture Collection

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ABSTRACT

Use for *Schizochytrium*

GUIDELINES

MATERIALS

MATERIALS

☒ Difco Bacto peptone **Fisher Scientific**

☒ D-glucose anhydrous **Contributed by users**

☒ Bacto Yeast Extract **Becton-Dickinson**

BEFORE START INSTRUCTIONS

Necessary equipment

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

Solutions

- Seawater
- Nutriments (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 µm 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