YEP Medium

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Abstract

Use in the RCC for *Schizochytrium*

Citation: Daniel Vaulot YEP Medium. **protocols.io**
dx.doi.org/10.17504/protocols.io.j5ycq7w
Published: 27 Aug 2018

Before start

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)

Materials

Difco Bacto peptone View by Fisher Scientific

D-glucose anhydrous by Contributed by users

Bacto Yeast Extract View by Becton-Dickinson

Protocol

Step 1.

Filter 1L of aged seawater (at least two months) on pPefilter and 0.2 microns

Step 2.

Heat seawater during 20min at 100°C

DURATION
00:20:00 :

Step 3.

To 300 mL of seawater, add :

- 1 g Difco bacto-peptone
- 1 g Bacto yeast extract
- 10 g D-glucose anhydrous

Step 4.

Complete final volume to 500mL of seawater

Step 5.

Autoclave the medium

Step 6.

Under hood, filter the medium on 0,2 microns Stericup