Manual dissection of the Schistosoma mansoni head and back end for transcriptomic analysis

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Working

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ABSTRACT

This protocol describes how to prepare a 100x M2
1x M2 media could be created from the stock and supplemental stocks and trace metals could be added afterwards.

Recipes for standard and alternative M2 for culturing freshwater cyanobacteria, such as *Synechocystis* sp. PCC 6803, in a co-culture togther with heterotrophic bacteria.
Media is usually not suitable for marine cyanobacteria.

Slighly modified from:
Weiss, Taylor L., Eric J. Young, and Daniel C. Ducat. "A synthetic, light-driven consortium of cyanobacteria and heterotrophic bacteria enables stable polyhydroxybutyrate production." *Metabolic engineering* 44 (2017): 236-245.

PROTOCOL STATUS

Working
We use this protocol in our group and it is working

Important information

1 Always work under sterile conditions

Addition of ingredients for M2 in a 1 l bottle

2 Add $CaCl_2$ $2H_2O$ (3.6 g · L^{-1})

- If you do not have hydrated $CaCl_2$, use 2.718 g $CaCl_2$ (powder) for 1L of the stock.
- 0.25 M Na_2-EDTA stock: Dissolve 2.32 g Na_2-EDTA (powder) and fill the bottle up with MilliQ (nuclease-free) water up to 25 mL. Afterwards, the pH was adjusted with diluted NaOH to pH = 8.0.
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- K2HPO4 (82,3g·L^{-1})

3 Add Citric acid (0.6 g · L^{-1})

4 Add NaNO3 (17 g · L-1)

5 Add MgSO4 · 7 H2O (7.49 g · L-1)
- If you do not have hydrated MgSO4, use 3.659 g MgSO4 (powder) for 1L of the stock.

6 0.25 M Na_2-EDTA, pH 8.0 (0.56 ml · L^{-1})

7 Fill up with MiliQ water to one liter

8 Mix the solution with a stir bar

9 autoclave afterwards