

MAR 30, 2023

WC Medium

Richard W Lambrecht¹

¹University of Konstanz

Richard W Lambrecht: This protocoll is a digital version of the one used for a long time in the laboratory. It was not developed by the author.



Richard W Lambrecht

DISCLAIMER

This is a protocol used in the Becks Lab, 2023.

OPEN BACCESS

Protocol Citation: Richard W Lambrecht 2023. WC Medium. protocols.io https://protocols.io/view/wcmedium-cr5dv826

License: This is an open access protocol distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

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

Created: Mar 30, 2023

Last Modified: Mar 30, 2023

PROTOCOL integer ID:

79749

Keywords: WC medium, Algal culture medium, Algal

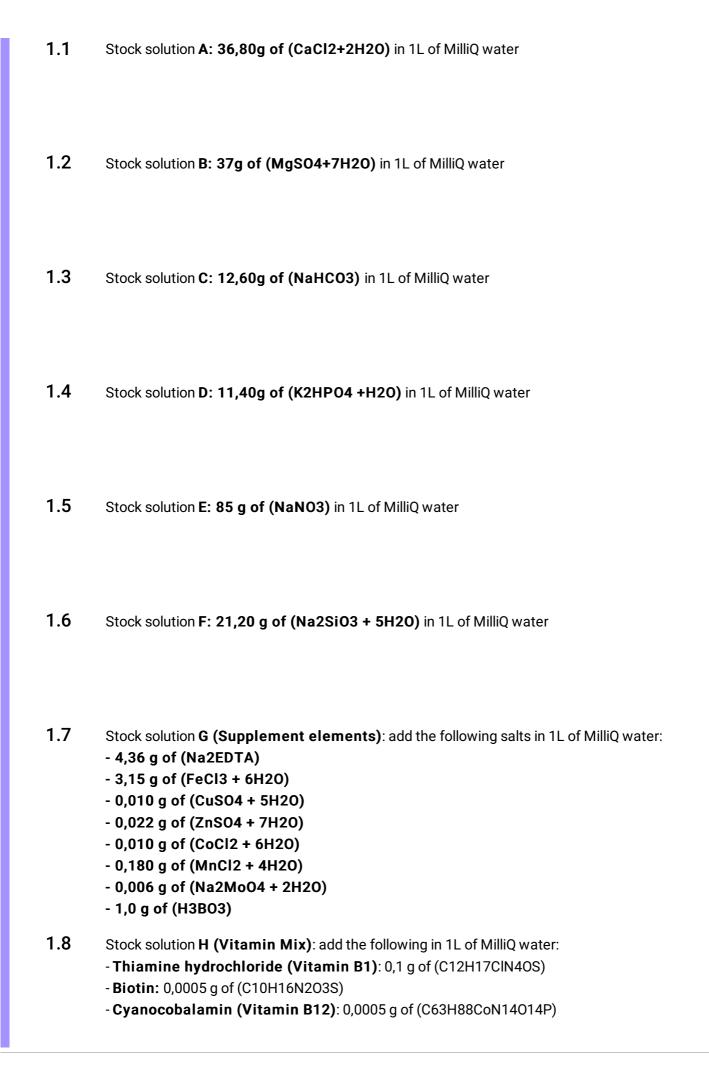
cultures

ABSTRACT

Protocoll description to prepare WC medium.

Stock Solution preparation

1 The stock solutions don't need to be autoclaved after preparation. Make sure to use volumetric flasks to ensure the right concentrations of the salts and transfer the solution to autoclavable flasks and store it in the fridge. Remember to start the preparation with less than 1L of MilliQ water, and after adding the salts complete the volume to 1L.



Medium preparation (for 1L of WC)

2	Weigh 0,115 g of TES Buffer (C6H15NO6S) and add it to a volumetric flask with almost 1L of MilliQ water
3	Add 1 mL of each of the stock solutions A to G to the medium preparation bottle.
4	Complete the volume until 1 liter with MilliQ water
5	Transfer the prepared medium to an autoclavable flask, labeled with autoclaving tape. On the label put the information about the liquid contained (WC medium), the date, the person responsible for the preparation, and a box to check when adding the solution H (Vitamin Mix)
6	Autoclave the medium at 121°C and let it cool down to room temperature.
7	In a clean bench: syringe filter 1 mL of the defrosted solution H (Vitamin Mix), add it to the medium (1 ml per Liter), and check the box on the tape.