

MWC (Modified WC Medium)

Freshwater algae

Stocks	per litre
(1) CaCl ₂ .2H ₂ O	36.80 g
(2) MgSO ₄ .7H ₂ O	37.00 g
(3) NaHCO ₃	12.60 g
(4) K ₂ HPO ₄ .3H ₂ O	11.40 g
(5) NaNO ₃	85.00 g
(6) Na ₂ O ₃ Si.5H ₂ O	21.20 g
(7) Combined trace elements:	
EDTANa ₂	4.36 g
FeCl ₃ .6H ₂ O	3.15 g
CuSO ₄ .5H ₂ O	0.01 g
ZnSO ₄ .7H ₂ O	0.022 g
CoCl ₂ .6H ₂ O	0.01 g
MnCl ₂ .4H ₂ O	0.18 g
Na ₂ MoO ₄ .2H ₂ O	0.006 g
H ₃ BO ₃	1.00 g
(8) Vitamin mix:	
Thiamine HCl	0.1 g
Biotin	0.0005 g
Cyanocobalamin	0.0005 g
(9) Buffer (add dry when making up medium):	per litre final medium
TES	0.115 g
Medium	per litre
Stock solutions 1 - 8	1.0 ml each
Dry Buffer (9)	0.115 g

Combine stock solutions 1-8 and the dry buffer and make up to 1 litre with deionized water. Autoclave at 15 psi for 15 minutes.

Reference

Guillard RRL & Lorenzen CJ (1972) Yellow-green Algae with Chlorophyllide C. J. Phycol. **8**, 10-14.