

TAP medium (Freshwater)

Stocks	per litre
(1) NH ₄ Cl	8 g
CaCl ₂ .2H ₂ O	1 g
MgSO ₄ .7H ₂ O	2 g
(2) K ₂ HPO ₄	10.8 g
KH ₂ PO ₄	5.6 g
 (3) Trace Elements (Hutner's)	
It is recommended to look up a recipe to make Hutner's trace element solution as it is a complicated process.	
Na ₂ EDTA.2H ₂ O	50 g
ZnSO ₄ .7H ₂ O	22 g
H ₃ BO ₃	11.4 g
MnCl ₂ .4H ₂ O	5.1 g
FeSO ₄ .7H ₂ O	5 g
CoCl ₂ .6H ₂ O	1.6 g
CuSO ₄ .5H ₂ O	1.16 g
(NH ₄) ₆ Mo ₇ O ₂₄ .4H ₂ O	1.1 g
 (4) Tris	
Glacial acetic acid	100 ml
 Medium	
Stock solution 1	50 ml
Stock solution 2	10 ml
Stock solution 3	1 ml
Stock solution 4	10 ml

Make up to 1 litre with deionised water. For agar, add 15 g per litre Bacteriological Agar. Autoclave at 15 psi for 15 minutes.

Reference

Gorman, D., & Levine, R.P. (1965). Cytochrome f and plastocyanin: their sequence in the photosynthetic electron transport chain of *Chlamydomonas reinhardtii*. Proceedings of the National Academy of Sciences of the United States of America, 54 6, 1665-9. – adapted for CCAP

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