

Media for freshwater, terrestrial, hot spring and salt water algae

TAP

NH ₄ Cl	40 mg
CaCl ₂ · 2H ₂ O	5.1 mg
MgSO ₄ · 7H ₂ O	10 mg
K ₂ HPO ₄	11.9 mg
KH ₂ PO ₄	6.03 mg
Hutner's trace elements	0.1 mL
Acetic acid	0.1 mL
Tris (hydroxymethyl) aminomethane	242 mg
Agar	1.5 g
Distilled water	99.8 mL

Hutner's trace elements

Na ₂ EDTA · 2H ₂ O	5 g
ZnSO ₄ · 7H ₂ O	2.2 g
H ₃ BO ₃	1.14 g
MnCl ₂ · 4H ₂ O	506 mg
FeSO ₄ · 7H ₂ O	499 mg
CoCl ₂ · 6H ₂ O	161 mg
CuSO ₄ · 5H ₂ O	157 mg
(NH ₄) ₆ Mo ₇ O ₂₄ · 4H ₂ O	110 mg
Distilled water	100 mL

Adjust the pH to 6.5-6.8 with KOH (~1.6 g). Store the solution in a refrigerator (5°C). The solution should have turned to violet color before use. This process takes a while and is necessary.