

1680 Cyanobacteria Medium MCL

	Volume[mL/L]
TES	Dissolve 0,115 g in 990 ml H ₂ O dist.
Stock Solution A	5.0
Stock Solution B	5.0

Adjust to 1000 ml with H₂O dist. and autoclave (121°C, 20 min)

After cooling add the following filter sterilized component under sterile conditions:

Stock Solution	ml/L
MCL Vitamin Stock Sol.	1.0

Stock Solution A

	ml/500 ml stock sol.	mg/ml
CuSO ₄ x 7H ₂ O	5	192 mg/100ml
MnSO ₄ x H ₂ O	100	240 mg/100 ml
ZnSO ₄ x 7H ₂ O	100	88 mg/200ml
Fe(NH ₄) ₂ (SO ₄) ₂ x 6H ₂ O	100	560 mg/100 ml

Adjust to 500 ml with H₂O dist.

Stock Solution B

	ml/500 ml stock sol.	mg/ml
FeCl ₃	100	96 mg/100ml
H ₃ BO ₃	100	2240 mg/100ml
NaNO ₃	100	8400 mg/100ml
Na ₂ EDTA x 2H ₂ O	100	2530 mg/100ml
Na ₂ -DL-β-glycerophosphat	100	800 mg/100ml

Adjust to 500 ml with H₂O dist.

Vitamin Stock Solution

	μl in 100 ml stock	mg/ml
Vitamine B12	160	1 mg/ml
Biotin	160	1 mg/ml
Thiamine	800	10 mg/ml