

AB

Minerals	Stock Solutions (g/L)	Quantity (mL Stock/L Media)	Final Concentration (mM)
NaCl	250	50	214
MgCl ₂ · 6H ₂ O	200	5	5
KCl	50	5	3.25
MgSO ₄ · 7H ₂ O	7.5	5	0.15
MgSO ₄ · 7H ₂ O	350	5	7
CaCl ₂ · 2H ₂ O	3.6	5	0.12
CaCl ₂ · 2H ₂ O	50	5	1.5
Na ₃ -citrate	0.6	7.5	0.015
Na ₂ -EDTA · 2H ₂ O	0.1	7.5	0.002
Trace metal mix (A5 + Co)	See recipe below	1	-

Adjust to 900mL with mQ water and autoclave.

After cooling, add the following filter sterilized (0.2 µm) components to complete the medium:

Minerals	Stock Solutions (g/L)	Quantity (mL Stock/L Media)	Final Concentration (mM)
NaNO ₃	150	7.5	12
K ₂ HPO ₄ · 3H ₂ O	4	7.5	0.13
Na ₂ CO ₃	20	1	0.19
Fe-NH ₄ -citrate	6	0.75	-
Vitamin B12 (Cyanocobalamin)	0.02	1	-

For solid medium use 7g/L of agarose. Sterilize the agarose separately in 550 ml of milliQ water. In this case the mineral solution is filled up to 400 ml.

Trace metal mix A5 + Co:

Trace metals	Quantity g/L	Concentration in the final media (mM)
H ₃ BO ₃	2.86	0.047
MnCl ₂ · 4H ₂ O	1.81	0.009
ZnSO ₄ · 7H ₂ O	0.22	0.0007
Na ₂ MoO ₄ · 2H ₂ O	0.39	0.0016
CuSO ₄ · 5H ₂ O	0.08	0.0003
Co(NO ₃) ₂ · 6H ₂ O	0.05	0.0002