

Supplementary Table 1 - Composition of the growth medium

Compound	Concentration ($\mu\text{mol L}^{-1}$)
Salts/Buffers:	
MgSO ₄ •7H ₂ O	2.0 x 10 ⁴
KCl	8.0 x 10 ³
CaCl ₂ •2H ₂ O	2.5 x 10 ³
NaCl	4.3 x 10 ⁵
NaHCO ₃	2.0 x 10 ³
Macro nutrients:	
C ₆ H ₁₂ O ₆	333; 0
NaNO ₃	100; 0
K ₂ HPO ₄ •3H ₂ O	12.5
Na ₂ SiO ₃ •9H ₂ O	160
H ₃ BO ₃	550
Micro nutrients:	
FeSO ₄ •7H ₂ O	14
Na ₂ EDTA	35
MnCl ₂ •4H ₂ O	22
ZnCl ₂	2.4
Na ₂ MoO ₄ •2H ₂ O	5.4
CuSO ₄ •5H ₂ O	0.2
CoCl ₂ •4H ₂ O	0.5
Vitamins:	
Thiamine•HCl (B1)	0.6
Biotin	4.0 x 10 ⁻³
Cyanocobalamin (B12)	7.4 x 10 ⁻³