Compound	Molecular Mass (g/ mol)	Liquid AN Medium		
		unmodified	N-limited	P-limited
Nanopure water			1000 mL	
Base salts[a]				
NaCl	58.4		370 mM	
$MgSO_4 \cdot 7H_2O$	246.5		30 mM	
$MgCl_2 \cdot 6H_2O$	203.3		20 mM	
$CaCl_2 \cdot 2H_2O$	147.0		10 mM	
KCl	74.6		10 mM	
Nutrients[b]				
EDTA (disodium salt)	292.2		17 µM	
$Na_2CO_3 \cdot H_2O$	124.0		161 µM	
$NaHCO_3$	84.0		500 µM	
$NaNO_3$	85.0	176 µM	220 µM	440 µM
K_2HPO_4	174.2	88 µM	22 µM	11 µM
Cyano trace metals[c]			1 mL	
$ZnSO_4 \cdot 7H_2O$ (0.222 g/L)				
$MnCl_2 \cdot 4H_2O$ (1.4 g/L)				
$Co(NO_3)_2 \cdot 6H_2O$ (0.025 g/L)				
$Na_2MoO_4 \cdot 2H_2O$ (0.39 g/L)				
Citric Acid $\cdot H_2O$ (6.25 g/L)				
Ferric Ammonium Citrate (6 g/L)				
V_A Vitamin Solution[d]			1 mL	
	Stock Concentration	*To prepare solution*		
Inositol		100 mg		
Thiamine · HCl		20 mg		
Vitamin B_{12}	1 g/L	0.1 mL		
Biotin	0.1 g/L	1 mL		
Folic Acid	2 g/L	0.1 mL		
p-aminobenzoic acid	2 g/L	0.5 mL		
Niacin (Nicotinic acid)	1 g/L	10 mL		
Ca d-pantothenate	2 g/L	10 mL		
Pyridoxine	1 g/L	10 mL		

[a] *Combine all salts, bring to final solution volume of 1 liter then autoclave*

[b] *Add sterile stock solution to autoclaved salts*

[c] *To prepare stock, dissolve each seperately and bring to 1 liter*

[d] *V_A vitamin solution is added for enrichment and purification; to prepare stock, prepare separate stock solutions, then add to 60 mL nanopure water. Filter-sterilize through 0.1 µm filter and store at -20°C in 50 mL aliquots.*