BG11 hypersaline medium V.2

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1 Works for me
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1 Add the following to a beaker and dissolve using a stir bar on a magnetic stir plate.

BG11 hypersaline medium	amount	unit
initial Milli-Q water	968	ml
NaCl	49.8	g
NaNO3	1.5	g
Na2CO3	0.02	g
KCl	1.3867	g
MgCl2*6H2O	8.569	g
MgSO4*7H2O	6.4998	g
CaCl2*2H2O	2.042	g
Stock A	10	ml
Stock B	10	ml
Stock C	10	ml
Stock 5 (trace metals)	1	ml
Vitamins	1	ml

2 Add Milli-Q water to bring total volume to 1 L.

3 Adjust pH to ~7 - 7.4

4 Filter sterilize near Bunsen burner or in sterile biohood.

5 STOCK SOLUTIONS

Stock A	Concentration (g/L)
Na2MG EDTA	**0.1**
Ferric ammonium citrate	0.6
Citric acid*1H2O	0.6
CaCl2*2H2O	3.6
Add up to 1L of dH20	

Stock B	**Concentration (g/L)**
MgSO4*7H2O	7.5
Add up to 1L of dH20	

Stock C	**Concentration (g/L)**
K2HPO4*3H2O	4
Add up to 1L of dH20	

Stock 5	**Concentration (g/L)**
H3BO3	2.86
MnCl2*4H2O	1.81
ZnSO4*7H2O	0.222
CuSO4*5H2O	0.079
CoCl2*6H2O	0.05
NaMoO4*2H2O	0.391
Add up to 1L of dH20	

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