

**BG11 medium:**

For 1000 mL:

Iron/Citrate Stock 1	10 mL	
Magnesium Stock 2	10 mL	
Phosphate Stock 3	10 mL	
Microelements Stock 5	1.0 mL	
NaNO <sub>3</sub>	1.5 g	(17.7 mM)
Na <sub>2</sub> CO <sub>3</sub>	0.02 g	(0.19 mM)

adjust pH to 7.5

**Stock Solutions:** (hereafter, molarities indicated are the final concentrations in BG11)**(Iron-Citrate) Stock 1:**

For 1000 mL

Na <sub>2</sub> Mg EDTA	0.1 g	(2.79 10 <sup>-3</sup> mM)
Ferric ammonium citrate	0.6 g	(2.29 10 <sup>-2</sup> mM)
Citric acid . 1H <sub>2</sub> O	0.6 g	(2.86 10 <sup>-2</sup> mM)
CaCl <sub>2</sub> 2H <sub>2</sub> O	3.6 g	(0.24 mM)

**(Magnesium) Stock 2:**

For 1000 mL:

MgSO <sub>4</sub> 7H <sub>2</sub> O	7.5 g	(0.30 mM)
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**(Phosphate) Stock 3:**

For 1000 mL

K <sub>2</sub> HPO <sub>4</sub> 3H <sub>2</sub> O	4.0 g	(0.175 mM)
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**Micro-elements Stock 5:**

for 1000 mL

H <sub>3</sub> BO <sub>3</sub>	2.86 g	(4.62 10 <sup>-2</sup> mM)
MnCl <sub>2</sub> 4H <sub>2</sub> O	1.81 g	(9.19 10 <sup>-3</sup> mM)
ZnSO <sub>4</sub> 7H <sub>2</sub> O	0.222 g	(7.72 10 <sup>-4</sup> mM)
CuSO <sub>4</sub> 5H <sub>2</sub> O	0.079 g	(3.16 10 <sup>-3</sup> mM)
CoCl <sub>2</sub> 6H <sub>2</sub> O	0.050 g	(2.10 10 <sup>-4</sup> mM)
NaMoO <sub>4</sub> 2H <sub>2</sub> O	0.391 g	(1.62 10 <sup>-3</sup> mM)

**Agar Plates preparation:**

- Prepared 2x BG 11 (200 or 400 mL) + 10 mM TES pH 8.2, from 0.5 M stock solution (4 or 8 mL of stock, respectively).
- Prepare 3% w/v Agar in milliQ H<sub>2</sub>O + 1 mM Na-Thiosulphate (Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>), from 1M stock solution (200 mL or 400 mL, 200 or 400 µL stock, respectively)
- Autoclave both solution
- Let them cool to about 50 °C and then mix equal volumes
- Pour plates