

# BG-11

## Détails

**For 1 liter of BG-11:**

1.5 g of NaNO<sub>3</sub>.  
0.04 g of K<sub>2</sub>HPO<sub>4</sub>.  
0.075g of MgSO<sub>4</sub>.7H<sub>2</sub>O.  
0.036g of CaCl<sub>2</sub>.2H<sub>2</sub>O.  
0.006g of citric acid.  
0.006g of ferric ammonium citrate.  
0.001g of disodium EDTA.  
0.02g of Na<sub>2</sub>CO<sub>3</sub>.  
Complete to 1 liter with water.  
Autoclave.  
Add 1 ml of sterile Metal mix A5.

**Metal mix A5:**

2.86g de H<sub>3</sub>BO<sub>3</sub>.  
1.81g de MnCl<sub>2</sub>.4H<sub>2</sub>O.  
0.222g de ZnSO<sub>4</sub>.7H<sub>2</sub>O.  
0.39g Na<sub>2</sub>MoO<sub>4</sub>.2H<sub>2</sub>O.  
0.079g de CuSO<sub>4</sub>.5H<sub>2</sub>O.  
0.049g de Co(NO<sub>3</sub>)<sub>2</sub>.6H<sub>2</sub>O.  
Filter sterilize.

**For BG-11 agar:**

Prepare 500ml of 2x BG-11 (use the quantities listed above for 1L), autoclave, and cool to 50°C.  
Prepare 500ml of 2x agar, dissolve 15g of agar in 500ml of water d'eau, autoclave, and cool to 50°C.  
Preparer a 1M stock solution of Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>.5H<sub>2</sub>O, filter sterilize.

**Mix**

- 500ml of sterile 2x BG-11.
- 500ml of steriles 2x agar.
- 1ml of sterile 1M Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>.5H<sub>2</sub>O.
- 1ml of sterile Metal Mix A5.

Pour plates quickly.