BG-11

Détails

For 1 liter of BG-11:
1.5 g of $NaNO_3$.
0.04 g of K_2HPO_4.
0.075g of $MgSO_4.7H_2O$.
0.036g of $CaCl_2.2H_2O$.
0.006g of citric acid.
0.006g of ferric ammonium citrate.
0.001g of disodium EDTA.
0.02g of Na_2CO_3.
Complete to 1 liter with water.
Autoclave.
Add 1 ml of sterile Metal mix A5.

Metal mix A5:
2.86g de H_3BO_3.
1.81g de $MnCl_2.4H_2O$.
0.222g de $ZnSO_4.7H_2O$.
0.39g $Na_2MoO_4.2H_2O$.
0.079g de $CuSO_4.5H_2O$.
0.049g de $Co(NO_3)_2.6H_2O$.
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 $Na_2S_2O_3.5H_2O$, filter sterilize.
Mix

- 500ml of sterile 2x BG-11.
- 500ml of steriles 2x agar.
- 1ml of sterile 1M $Na_2S_2O_3.5H_2O$.
- 1ml of sterile Metal Mix A5.

Pour plates quickly.