

Media recipe

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 $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$.

0.036g of $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$.

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 $\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$.

0.222g de $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$.

0.39g $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$.

0.079g de $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$.

0.049g de $\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$.

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 $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$, filter sterilize.

Mix

- 500ml of sterile 2x BG-11.
- 500ml of sterile 2x agar.
- 1ml of sterile 1M $\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$.
- 1ml of sterile Metal Mix A5.

Pour plates quickly.