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Protocol status: Working
 We use this protocol and it's working

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🌐 BG11 medium (working group Wilde)

📖 Journal of Bacteriology

Christin Köbler¹, Annegret Wilde¹

¹Institute of Biology III, Faculty of Biology, University of Freiburg, 79104 Freiburg, Germany

CyanoWorld

Christin Köbler

ABSTRACT

100x BG11 (500 ml)

74.79 g NaNO₃
 3.75 g MgSO₄ × 7H₂O
 1.8 g CaCl₂ × 2H₂O
 0.30 g Citric Acid
 0.28 ml 0,5 M Na₂EDTA (pH 8)

Add *Aqua bidest* (**ddH₂O**) to a final volume of 500 ml. Aliquot (5x100 ml) and autoclave. Store at 4°C.

Trace-Metal-Mix (500 ml)

1.43 g H₃BO₃
 900 mg MnCl₂ × 4H₂O
 110 mg ZnSO₄ × 7H₂O
 195 mg Na₂MoO₄ × 2H₂O
 39.5 mg CuSO₄ × 5H₂O
 24.7 mg Co(NO₃)₂ × 6H₂O

Put some **ddH₂O** into the bottle; dissolve the salts separately and fill up to 500 ml. Sterile filter and aliquot the solution (10 x 50 ml). Store at 4°C.

2x BG11 (1 L)

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20 ml 100x BG11
2 ml $\text{K}_2\text{HPO}_4 \times 3\text{H}_2\text{O}$ (30 mg/ml)
2 ml Na_2CO_3 (20 mg/ml)
2 ml Trace-Metal-Mix

Add 900 ml deionized water, afterwards add the solutions, fill up to 1 L with deionized water and autoclave. Store at RT.

Before use add 2 ml of Fe-Ammonium-Citrate (6 mg/ml).

1xBG11 (1 L)

10 ml 100xBG11
10 ml TES pH 8
1 ml K_2HPO_4 (30 mg/ml)
1 ml Na_2CO_3 (20 mg/ml)
1 ml Trace-Metal-Mix

Add 900 ml deionized water, afterwards add the solutions, fill up to 1 L with deionized water and autoclave. Store at RT.

Before use add 1 ml of Fe-Ammonium-Citrate (6 mg/ml).