18: BG11$_0$

Final pH: 7.1
Final volume: 1000 ml

Mail sol. C_{18}

K_2HPO_4 (2 g/500 ml stock solution)	10.00	ml
$MgSO_4$ x 7 H_2O (3.75 g/500 ml stock solution)	10.00	ml
$CaCl_2$ x 2 H_2O (1.8 g/500 ml stock solution)	10.00	ml
Citric acid (0.3 g/500 ml stock solution)	10.00	ml
Ammonium ferric citrate (green, 0.3 g/500 ml stock solution)	10.00	ml
Na_2-EDTA (0.05 g/500 ml stock solution)	10.00	ml
Na_2CO_3 (1 g/500 ml stock solution)	10.00	ml
Trace metal solution	1.00	ml
Deionized water	1000.00	ml

1. This medium is standard BG11 but omitting $NaNO_3$.

2. Make up to 1 litre with deionized water. Adjust pH to 7.1 with 1M NaOH or HCl. For agar add 15.0 g per litre of Bacteriological Agar (Thermo Scientific™ Oxoid™ Agar No.1). Autoclave at 15 psi for 15 minutes.

3. Due to precipitation, larger volumes require stocks of citric acid and ammonium ferric citrate to be autoclaved separately in 100ml deionized water or alternatively they can be autoclaved separately in test tubes and added to sterile medium in the airflow cabinet.

Trace metal solution

H_3BO_3	2.86	g
$MnCl_2$ x 4 H_2O	1.81	g
$ZnSO_4$ x 7 H_2O	0.22	g
Na_2MoO_4 x 2 H_2O	0.39	g
$CuSO_4$ x 5 H_2O	0.08	g
$Co(NO_3)_2$ x 6 H_2O	0.05	g

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