

939. METHYLOTROPHIC ARTHROBACTER AND HYPHOMICROBIUM MEDIUM

Na ₂ HPO ₄ x 2 H ₂ O	7.9	g
KH ₂ PO ₄	1.5	g
NH ₄ Cl	0.8	g
MgSO ₄ x 7 H ₂ O	0.1	g
Trace elements	10.0	ml
Distilled water	1000.0	ml

Final pH 7.2-7.5

After autoclaving add 10 ml methanol to 1 litre of the sterile Mineral Salts Solution.

Trace elements solution:

EDTA	50.00	g
ZnSO ₄ x 7 H ₂ O	1.00	g
CaCl ₂ x 2 H ₂ O	7.34	g
MnCl ₂ x 4 H ₂ O	2.50	g
CoCl ₂ x 6 H ₂ O	0.50	g
(NH ₄) ₆ Mo ₇ O ₂₄	0.50	g
FeSO ₄ x 7 H ₂ O	5.00	g
CuSO ₄ x 5 H ₂ O	0.20	g
Distilled water	1000.00	ml

Dissolve the EDTA in about 400 ml of water, then add 9 g NaOH. Dissolve each of the salts individually in about 40-50 ml of water and add them to the EDTA-NaOH solution. Adjust the final pH of the solution to pH 6.0 with 1M NaOH (about 24 ml). Make up to 1 litre with distilled water, store in the dark and do not autoclave the stock solution before it is added to the medium.