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.