



MINERAL MEDIUM (DSMZ-Medium 994)

Sorbit or D-Glucose	3.6	g
NH ₄ Cl	0.6	g
KH ₂ PO ₄	1.0	g
MgSO ₄ x 7 H ₂ O	0.4	g
NaCl	0.4	g
CaCl ₂ x 2 H ₂ O	0.5	mg
Trace element solution SL-4 (10 x conc.)	1.0	ml
Vitamin solution (10 x conc.)	5.0	ml
Distilled water	1000.0	ml
pH 6.8		

Trace element solution SL-4 (10 x conc.):

Na ₂ -EDTA	0.50	g
FeSO ₄ x 7 H ₂ O	0.20	g
ZnSO ₄ x 7 H ₂ O	0.10	g
MnCl ₂ x 4 H ₂ O	0.03	g
H ₃ BO ₃	0.30	g
CoCl ₂ x 6 H ₂ O	0.20	g
CuCl ₂ x 2 H ₂ O	0.01	g
NiCl ₂ x 6 H ₂ O	0.02	g
Na ₂ MoO ₄ x 2 H ₂ O	0.03	g
Distilled water	100.0	ml

First dissolve EDTA in distilled water and adjust pH to 7.0 using 2 N NaOH; then add other compounds.

Vitamin solution (10 x conc.):

Vitamin B ₁₂	50.00	mg
Pantothenic acid	50.00	mg
Riboflavin	50.00	mg
Pyridoxamine-HCl	10.00	mg
Biotin	20.00	mg
Folic acid	20.00	mg
Nicotinic acid	25.00	mg
Nicotine amide	25.00	mg
α -lipoic acid	50.00	mg
p-aminobenzoic acid	50.00	mg
Thiamine-HCl x 2 H ₂ O	50.00	mg
Distilled water	100.00	ml

Stir for some hours, filter sterilize the solution.