

1511. PLANTOMYCETACEAE MEDIUM SBP2

Mineral Salts Solution:

KH ₂ PO ₄	0.33	g
NH ₄ Cl	0.33	g
MgCl ₂	1.20	mg
CaCl ₂	1.20	mg
KCl	0.33	g
Trace Element Solution (medium 1473)	1.00	ml
Vitamin Solution (see medium141)	1.00	ml
Distilled water	1000.00	ml

Trace Element Solution:

(NH ₄) ₂ Fe(SO ₄) ₂ x 6 H ₂ O	784.0	mg
NiCl ₂ x 2 H ₂ O	225.0	mg
CoCl ₂ x 6 H ₂ O	38.0	mg
MnCl ₂ x 4 H ₂ O	99.0	mg
ZnSO ₄ x 7 H ₂ O	144.0	mg
Na ₂ SeO ₄	95.0	mg
Na ₂ WO ₄ x 2H ₂ O	33.0	mg
Na ₂ MoO ₄ x 2 H ₂ O	24.0	mg
H ₃ BO ₃	6.0	mg
CuCl ₂ x 2 H ₂ O	2.0	mg
Distilled water	1000.0	ml

Prepare the liquid medium. Dispense the medium into culture vessels. Sterilize by autoclaving. Before inoculation add from sterile stock solutions:

KNO ₃	1.0	g
Glucose	2.0	g
Vitamin Solution (see medium141)	1.0	ml
NaHCO ₃ (8% solution)	12.5	ml

The 8% NaHCO₃ solution may be either filter sterilized or autoclaved. When the solution is autoclaved use tightly closed vessels that are filled to a maximum of 50% of the total volume.

The final pH of the medium should be adjusted to pH 7.6-8.0.