

1706. LENTIMONAS MEDIUM

Solution I

NaCl	51.90	g
MgSO ₄ x 7 H ₂ O	6.00	g
MgCl ₂ x 6 H ₂ O	4.00	g
CaCl ₂ x 2 H ₂ O	0.24	g
Tris (1M, pH 8.0)	50.00	ml
Na ₂ EDTA (0.5 M)	5.40	ml
NH ₄ Cl (1M)	20.00	ml
Distilled water	500.00	ml

Solution II

K ₂ HPO ₄	1.60	g
KH ₂ PO ₄	0.40	g
Distilled water	500.00	ml

Adjust pH of solutions I and II to 7.8. Autoclave solutions to sterilize.

For 1 l of medium combine 500 ml of solution I and 500 ml of solution II and add the following additives:

FeSO ₄ x 7 H ₂ O solution (final concentration 0.015 g/l)	1.00	ml
Na ₂ MoO ₄ x 2 H ₂ O solution (final concentration 0.005 g/l)	1.00	ml
Vitamins (1000X)	1.00	ml
Trace metals (1000X)	1.00	ml
Carbon source solution (<u>Fucoidan</u> or Mannose or Galactose)	2.00	g

Trace metal solution:

HBO ₃	2.860	g
MnCl ₂ x 4 H ₂ O	1.810	g
ZnSO ₄ x 7 H ₂ O	0.079	g
CuSO ₄ x 5 H ₂ O	0.079	g
Co(NO ₃) ₂ x 6 H ₂ O	0.0494	g
NiCl ₂ x 6 H ₂ O	0.0005	g
Distilled water	1000.00	ml

Vitamin solution:

Aminobenzoate	0.04	g
D(+) biotin	0.01	g
Folate	0.03	g
Lipoate	0.01	g
Nicotinate	0.10	g

Ca-(D+) pantothenate	0.05	g
Pyridoxamine dihydrochloride	0.11	g
Thiamine hydrochloride	0.10	g
Vitamin B12	0.05	g
Distilled water	1000.00	ml