

137: MINERAL LACTATE MEDIUM (low carbon content)

Na-lactate	0.50	g
K ₂ HPO ₄ x 3 H ₂ O	1.13	g
KH ₂ PO ₄	0.88	g
NH ₄ Cl	1.00	g
MgSO ₄ x 7 H ₂ O	0.50	g
NaCl	1.00	g
CaCl ₂ x 2 H ₂ O	5.00	mg
Trace element solution (Vishniac and Santer, 1957)	1.20	ml
Distilled water	1000.00	ml

Adjust pH to 7.0.

Trace element solution (Vishniac and Santer, 1957) (from medium 69)

Na ₂ -EDTA	50.00	g
ZnSO ₄ x 7 H ₂ O	22.00	g
CaCl ₂ x 2 H ₂ O	5.54	g
MnCl ₂ x 4 H ₂ O	5.06	g
FeSO ₄ x 7 H ₂ O	5.00	g
(NH ₄) ₆ Mo ₇ O ₂₄ x 4 H ₂ O	1.10	g
CuSO ₄ x 5 H ₂ O	1.57	g
CoCl ₂ x 6 H ₂ O	1.61	g
Distilled water	1000.00	ml

Dissolve EDTA in distilled water, adjust pH to 7 using 2 N KOH, then add remaining compounds. Adjust pH of final solution to 6.0 with KOH.