

Main sol. 1391

NaCl	20.00	g
K ₂ HPO ₄	0.09	g
KH ₂ PO ₄	0.07	g
CaCl ₂ x 2 H ₂ O	0.80	g
NH ₄ Cl	1.00	g
NaNO ₃	1.00	g
MgSO ₄ x 7 H ₂ O	4.00	g
MgCl ₂ x 6 H ₂ O	3.00	g
KCl	0.33	g
FeSO ₄ x 7 H ₂ O	0.01	g
Na ₂ S ₂ O ₃ x 5 H ₂ O	2.00	g
Fe(III) citrate	0.01	g
Yeast extract	2.00	g
Trace mineral solution	5.00	ml
Distilled water	1000.00	ml

1. Prepare the medium under N₂/CO₂ (80%N₂, 20%CO₂) and fill in , the pH of the medium is adjusted with NaOH to 6.8. After autoclaving, the separately autoclaved, concentrated solutions including each of follows are added to the medium. Then a mix gas (80%H₂, 20% CO₂) is purged for 5 min.

2. Finally, the mix gas (77%H₂, 20%CO₂, 3%O₂) is compressed into gas phase (>80% volume of the tube or bottle) at 2 atm.

Wolin's vitamin solution	1.00	ml
NaHCO ₃	0.10	%