

Main sol. 1097

NaCl	20.00	g
MgCl ₂ x 6 H ₂ O	3.00	g
KCl	0.70	g
NH ₄ Cl	0.20	g
KH ₂ PO ₄	0.20	g
CaCl ₂ x 2 H ₂ O	0.20	g
Trace element solution SL-10	2.00	ml
Selenite-tungstate solution	1.00	ml
Sodium resazurin (0.1% w/v)	0.50	ml
Na ₂ CO ₃	1.50	g
Na ₂ -fumarate	1.60	g
Wolin's vitamin solution (10x)	1.00	ml
Na ₂ S x 9 H ₂ O	0.30	g
Distilled water	1000.00	ml

Dissolve ingredients (except carbonate, fumarate, vitamins and sulfide), then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add fumarate, vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Stock solutions of vitamins and fumarate should be sterilized by filtration. Adjust pH of complete medium to 7.2, if necessary.