

Main sol. 395b

NH ₄ Cl	0.33	g
KH ₂ PO ₄	0.33	g
KCl	0.33	g
CaCl ₂ x 2 H ₂ O	0.44	g
MgCl ₂ x 6 H ₂ O	0.70	g
NaCl	0.50	g
Trace element solution SL-10	1.00	ml
Yeast extract (OXOID)	0.50	g
Sodium resazurin (0.1% w/v)	0.50	ml
NaHCO ₃	0.80	g
Trypticase peptone (BD BBL)	2.00	g
Wolin's vitamin solution (10x)	1.00	ml
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except bicarbonate, Trypticase, 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. After autoclaving add Trypticase, vitamins and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas atmosphere and bicarbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Vitamins are sterilized by filtration. Adjust pH of complete medium to 6.0 - 6.1, if necessary.