

Main sol. 784

KH ₂ PO ₄	0.20	g
MgCl ₂ x 6 H ₂ O	0.10	g
NH ₄ Cl	1.00	g
KCl	0.20	g
NaCl	16.00	g
Trace element solution SL-11	1.00	ml
Yeast extract	0.20	g
Sodium resazurin (0.1% w/v)	0.50	ml
Na ₂ CO ₃	68.00	g
NaHCO ₃	38.00	g
Ethanol absolute	5.00	ml
Wolin's vitamin solution (10x)	1.00	ml
Na ₂ S x 9 H ₂ O	1.00	g
Distilled water	1000.00	ml

Dissolve ingredients except carbonate, bicarbonate, ethanol, vitamins and sulfide. Sparge medium with 100% N₂ gas for 30 - 45 min to make it anoxic. Add and dissolve carbonates and sulfide while gassing the head space only. Dispense under same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Before use add ethanol and vitamins from sterile anoxic stock solution prepared under 100% N₂ gas. Vitamins are sterilized by filtration. Adjust pH of the complete medium to 9.5 - 10.0, if necessary.