

Main sol. 1328

KH ₂ PO ₄	0.30	g
K ₂ HPO ₄	0.30	g
NH ₄ Cl	1.00	g
NaCl	1.00	g
KCl	0.10	g
MgCl ₂ x 6 H ₂ O	0.50	g
CaCl ₂ x 2 H ₂ O	0.10	g
Trace element solution SL-10	1.00	ml
Yeast extract (OXOID)	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
Sulfur (powdered)	10.00	g
L-Cysteine HCl x H ₂ O	0.50	g
Trypticase peptone (BD BBL)	2.00	g
Na ₂ -fumarate	3.20	g
Na ₂ CO ₃	1.00	g
Na ₂ S x 9 H ₂ O	0.50	g
Distilled water	1000.00	ml

Dissolve ingredients (except sulfur, cysteine, peptone, fumarate, carbonate and sulfide) and sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Add and dissolve cysteine, then dispense under 80% N₂ and 20% CO₂ gas atmosphere into anoxic Hungate-type tubes or serum vials containing already the appropriate amount of sulfur and autoclave at 121°C for 20 min. Add peptone, fumarate 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. Adjust pH of the complete medium to 7.0.