

Main sol. 332

NH ₄ Cl	1.00	g
K ₂ HPO ₄ x 3 H ₂ O	0.40	g
MgCl ₂ x 6 H ₂ O	0.10	g
Na-formate	5.00	g
Na-acetate	1.00	g
Trypticase peptone (BD BBL)	1.00	g
Yeast extract (OXOID)	1.00	g
Sodium resazurin (0.1% w/v)	0.50	ml
L-Cysteine HCl x H ₂ O	0.50	g
Na ₂ CO ₃	1.50	g
Na ₂ S x 9 H ₂ O	0.20	g
Distilled water	1000.00	ml

1. Dissolve ingredients except cysteine, carbonate and sulfide. Sparge medium with 80% H₂ and 20% CO₂ gas mixture for 30 - 45 min to make it anoxic. Add and dissolve cysteine, then dispense medium under same gas atmosphere into anoxic Hungate-type tubes or serum vials to 30% of their volume and autoclave. Add carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture and sulfide from a sterile anoxic stock solution prepared under 100% N₂ gas. Prior to use check pH of complete medium and adjust to 6.8 - 7.0, if necessary.

2. Note: After growth has started add sterile 80% H₂ and 20% CO₂ gas mixture to 0.5 - 1 bar overpressure.